MARCH, 1932 NUMBER 277

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND THIRTY-EIGHTH SESSION

CATALOGUE ISSUE
1931-1932

Announcements for the Session
1932-1933

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MARCH, 1932 NUMBER 277

THE UNIVERSITY OF NORTH CAROLINA RECORD

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CATALOGUE OF EVENTS

1932	
June 4-7	*Saturday through Tuesday.* Commencement Exercises.
June 9-July 19	Summer Session, First Term.
June 13-July 20	Summer School of Law, First Term.
July 20-August 26	Summer Session, Second Term.
July 21-August 27	Summer School of Law, Second Term.
Sept. 19	*Monday.* Entrance Examinations.
Sept. 19-20	*Monday and Tuesday.* Examinations to remove condition grades.
Sept. 20-22	*Tuesday through Thursday.* Freshman Week.
Sept. 21	*Wednesday.* Registration of Freshmen for the fall quarter.
Sept. 22	*Thursday.* Registration (all except Freshmen) for the fall quarter.
Sept. 23	*Friday.* Class work for the fall quarter begins.
Oct. 12	*Wednesday.* University Day.
Nov. 23	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
Nov. 28	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
Dec. 15-21	*Thursday to 1 p.m. Wednesday.* Registration for the winter quarter.
Dec. 17, 19, 20, 21	*Saturday through Wednesday.* Examinations for the fall quarter
Dec. 21 (afternoon)-Jan. 1, 1933	Christmas Recess.
1933	
Jan. 2	*Monday.* Registration of new students. Class work for the winter quarter begins.
Jan. 28	*Saturday.* First Term of the School of Law ends.
Jan. 30	*Monday.* Second Term of the School of Law begins.
Feb. 1	*Wednesday.* Candidates for the Mangum Medal announce their subjects to their respective Deans.
Mar. 6-11	*Monday to 1 p.m. Saturday.* Registration for the spring quarter.
Mar. 8-11	*Wednesday through Saturday.* Examinations for the winter quarter
Mar. 11-18	*Saturday afternoon through Saturday.* Spring Recess
Mar. 20	*Monday.* Registration of new students. Class work for the spring quarter begins.
May 1	*Monday.* Selection of Commencement Orators.
May 29-June 1	*Monday through Thursday.* Examinations for the spring quarter.
June 3-6	*Saturday through Tuesday.* Commencement Exercises.

TABLE OF CONTENTS

	PAGE
PART ONE	
Trustees, old Board	4
Executive Committee of the Trustees	6
Trustees, Consolidated Board	6
Officers of Administration	10
Officers of Instruction	12
Standing Committees of the Faculty	26
PART TWO	
The University—General Information	28
The University Library	31
The University Press	33
Institute for Research in Social Science	34
Institute of Folk Music	36
Admission and Requirements	38
Expenses—Fees	44
Pecuniary Aid	49
Medals and Prizes	55
Regulations	57
Student Government	72
Public Lectures	73
University Organizations	74
PART THREE	
Courses of Instruction—Description	79
PART FOUR	
Division of Admission and Administration	159
College of Liberal Arts	161
School of Applied Science	168
School of Engineering	173
School of Education	189
School of Commerce	196
School of Public Welfare	205
Graduate School	209
Summer School	213
Extension Division	214
PART FIVE	
School of Law	220
School of Medicine	233
School of Pharmacy	242
School of Library Science	253
PART SIX	
Commencement	260
Catalogue of Students	269

15789

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† The legal term of office expires April 1st of the year indicated.
* Deceased.

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DUDLEY DEWITT CARROLL, M.A., *Dean of the School of Commerce.*

*HOWARD WASHINGTON ODUM, Ph.D., *Director of the School of Public Welfare.*

†LOUIS ROUND WILSON, Ph.D., *Director of the School of Library Science.*

† Resigned, January, 1932.
* Absent on leave 1931-1932.

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A.B., 1909 (North Carolina); M.A., 1916 (Columbia); LL.D. (Birmingham-Southern, Davidson); D.L.C. (Catawba); D.Litt. (Columbia).

FRANCIS PRESTON VENABLE, Ph.D., D.Sc., LL.D., *Kenan Professor Emeritus of Chemistry.*
A.M., Ph.D., 1881 (Goettingen); LL.D. (Pennsylvania, South Carolina, Alabama, Jefferson); D.Sc. (Lafayette, North Carolina).

WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*
M.A., 1882 (Virginia).

HENRY HORACE WILLIAMS, A.M., B.D., *Kenan Professor of Philosophy.*
A.B., A.M., 1883 (North Carolina); B.D., 1888 (Yale).

HENRY VANPETERS WILSON, Ph.D., *Kenan Professor of Zoölogy.*
A.B., 1883, Ph.D., 1888 (Johns Hopkins).

COLLIER COBB, A.M., D.Sc., *Professor of Geology and Mineralogy.*
A.B., 1889, A.M., 1894 (Harvard); D.Sc. (Wake Forest).

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy.*
A.B., 1891 (North Carolina); M.D., 1894 (Jefferson Medical College).

†MARCUS CICERO STEPHENS NOBLE, Pd.D., *Professor of Pedagogy and Dean of the School of Education.*
Student, 1875-1876 (Davidson); Student, 1877-1879 (North Carolina); Pd.D. (Davidson).

ISAAC HALL MANNING, M.D., *Professor of Physiology and Dean of the School of Medicine.*
Student, 1882-1886 (North Carolina); M.D., 1897 (Long Island College of Medicine).

GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*
A.B., 1897 (Princeton); A.M., Ph.D., 1903 (Halle).

NATHAN WILSON WALKER, A.B., Ed.M., *Professor of Secondary Education, Director of the Summer School, and Acting-Dean of the School of Education.*
A.B., 1903 (North Carolina); Ed.M., 1921 (Harvard).

WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Research Professor of Pharmacology.*
M.D., 1903 (North Carolina).

WILLIAM CHAMBERS COKER, Ph.D., LL.D., *Kenan Professor of Botany.*
B.S., 1894 (South Carolina); Ph.D., 1901 (Johns Hopkins); LL.D., (South Carolina).

† Relieved of administrative duties.

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., *Kenan Professor of Mathematics.*
A.B., 1898, A.M., 1899, Ph.D., 1902 (North Carolina); Ph.D., 1915 (Chicago); D.C.L. (University of the South); LL.D. (Tulane).

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Kenan Professor American History and Government.*
M.A., 1900 (University of the South); Ph.D., 1906 (Columbia).

HENRY MCGILBERT WAGSTAFF, Ph.D., *Professor of History.*
Ph.B., 1899 (North Carolina); Ph.D., 1906 (Johns Hopkins).

WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*
B.A., M.A., 1902 (Virginia); A.M., 1904, Ph.D., 1906 (Harvard).

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A.B., 1881, A.M., 1887, LL.D. (Davidson).

ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*
A.B., 1890 (Beloit); A.M., 1897, Ph.D., 1900 (Harvard).

‡LOUIS ROUND WILSON, Ph.D., *Kenan Professor of Library Administration, Librarian, and Director of the School of Library Science.*
A.B., 1899, A.M., 1902, Ph.D., 1905 (North Carolina).

JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry and Dean of the School of Applied Science.*
B.A., 1902, M.A., 1905 (Toronto); Ph.D., 1905 (Cornell).

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
A.B., 1894, A.M., 1895 (Washington and Lee); M.D., 1897 (Virginia).

THOMAS JAMES WILSON, JR., Ph.D., *Dean of Admissions and Administration and Registrar.*
A.B., 1894, A.M., 1896, Ph.D., 1898 (North Carolina).

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., *Kenan Professor of Rural Social Economics.*
A.M., 1894 (Trinity); A.M., 1899 (Peabody Normal); Litt.D. (Georgia).

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics and Dean of the School of Commerce.*
A.B., 1907 (Guilford); A.B., 1908 (Haverford); M.A., 1915 (Columbia).

FREDERICK HENRY KOCH, A.M., *Kenan Professor of Dramatic Literature.*
A.B., 1900 (Ohio Wesleyan); A.M., 1909 (Harvard).

JOHN EMERY LEAR, E.E., *Professor of Electrical Engineering.*
B.S. in E.E., 1901 (Virginia Polytechnic); E.E., 1909 (Texas Agricultural and Mechanical).

JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy.*
Ph.G., 1909 (North Carolina); Ph.M., (Philadelphia College of Pharmacy).

*EDGAR WALLACE KNIGHT, Ph.D., *Professor of Education.*
A.B., 1909, A.M., 1911 (Trinity); Ph.D., 1913 (Columbia).

‡ Resigned, January 1932.

* Absent on leave, winter and spring quarters, 1932.

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*
B.S., 1903, M.S., 1904 (Syracuse); Ph.D., 1906 (Johns Hopkins).

‡HOWARD WASHINGTON ODUM, Ph.D., *Kenan Professor of Sociology and Director of the School of Public Welfare.*
A.B., 1904 (Emory); A.M., 1906 (Mississippi); Ph.D., 1909 (Clark); Ph.D., 1910 (Columbia).

WILLIAM STANLEY BERNARD, A.M., *Professor of Greek.*
A.B., 1900, A.M., 1904 (North Carolina).

JOHN MANNING BOOKER, Ph.D., *Professor of English.*
A.B., 1901 (Johns Hopkins); Ph.D., 1912 (Heidelberg).

THOMAS FELIX HICKERSON, A.M., S.B., *Professor of Structural Engineering.*
Ph.B., 1904, A.M., 1907 (North Carolina); S.B., 1909 (Massachusetts Institute of Technology).

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History and Government and Dean of the Graduate School.*
A.B., 1910, A.M., 1911 (Alabama); A.M., 1912, Ph.D., 1916 (Columbia).

JOHN FREDERICK DASHIELL, Ph.D., *Professor of Psychology.*
B.S., 1908, B.L., 1909 (Evansville); A.M., 1910, Ph.D., 1913 (Columbia).

FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of Students.*
A.B., 1916 (North Carolina); M.A., 1926, Ph.D., 1930 (Columbia).

STURGIS ELLENO LEAVITT, Ph. D., *Professor of Spanish.*
A.B., 1908 (Bowdoin); A.M., 1913, Ph.D., 1917 (Harvard).

†ROBERT DIGGES WIMBERLY CONNOR, Ph.B., *Kenan Professor of American History and Government.*
Ph.B., 1899 (North Carolina).

KENT JAMES BROWN, Ph.D., *Professor of German.*
A.B., 1901 (Dickinson); Ph.D., 1905 (Pennsylvania).

CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Applied Economics.*
A.B., 1911 (Wake Forest); Ph.D., 1919 (Columbia).

ROBERT ERVIN COKER, Ph.D., *Professor of Zoölogy.*
S.B., 1896, S.M., 1897 (North Carolina); Ph.D., 1906 (Johns Hopkins).

‡MARION REX TRABUE, Ph.D., *Professor of Educational Administration.*
A.B., 1911 (Northwestern); M.A., 1914, Ph.D., 1915 (Columbia).

GEORGE MCFARLAND MCKIE, A.M., *Professor of Public Speaking.*
Graduate, 1898 (Emerson College of Oratory); A.B., A.M., 1907 (North Carolina).

ERLE EWART PEACOCK, A.B., M.B.A., C.P.A., *Professor of Accounting.*
A.B., 1914 (Georgia); M.B.A., 1916 (Harvard); C. P. A., State of North Carolina.

‡ Absent on leave, 1931-1932.
† Absent on leave, 1931-1932, on the Kenan Foundation.

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology.*
A.B., 1909, A.M., 1910, Ph.D., 1913 (Michigan).

ARTHUR MELVILLE JORDAN, Ph.D., *Professor of Educational Psychology.*
A.B., 1907 (Randolph-Macon); A.M., 1909 (Trinity); Ph.D., 1919 (Columbia).

ESEK RAY MOSHER, Ed.D., *Professor of Education and Director of Training.*
A.B., 1903 (Minnesota); A.M., 1907 (Western Reserve); Ed.M., 1921, Ed.D., 1924 (Harvard).

THORNDIKE SAVILLE, A.B., C.E., M.S., *Professor of Hydraulic and Sanitary Engineering.*
A.B., 1914 (Harvard); B.S., 1914, C.E., 1915 (Dartmouth); M.S., 1917 (Harvard); M.S., 1917 (Mass. Inst. of Technology).

JOHN WAYNE LASLEY, JR., Ph.D., *Professor of Pure Mathematics.*
A.B., 1910, A.M., 1911 (North Carolina); Ph.D., 1920 (Chicago).

ALLAN WILSON HOBBS, Ph.D., *Professor of Applied Mathematics and Dean of the College of Liberal Arts.*
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GEORGE COFFIN TAYLOR, Ph.D., *Professor of English.*
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WILLIAM JASPER MILLER, E.E., S.M.E.E., *Professor of Electrical Engineering.*
E.E., 1915 (Texas); S.M.E.E., 1922 (Mass. Institute of Technology).

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Thomas Smith McCorkle, B.Mus., *Associate Professor of Music.*
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RESEARCH ASSISTANTS, 1931-1932

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WALTER MONROE SUMMERVILLE, *Research Assistant in Pharmacology.*

TEACHING FELLOWS, 1931-1932

ANDREW CLARK MATTHEWS, A.M.....Botany
HENRY CARRISON THOMAS, S.B.....Chemistry
ALLEN LEANDER ALEXANDER, S.B.....Chemistry
THOMAS BASIL DOUGLAS, S.B.....Chemistry
WILLIAM JOHNSON HOGAN IV., A.B.....Classics
JOHN MCCORKLE AKERS, A.B.....Economics and Commerce
CLEMENT HAROLD DONOVAN, B.S.....Economics and Commerce
*CLIFFORD ROSE ADAMS, A.B.....Education
†JOHN HILIARY ANDREW WORKMAN, A.B..Education
THOMAS MOORE RIDDICK, S.B.....Engineering
MITCHELL PRESTON WELLS, A.M.....English
ROBERT BASIL SINCLAIR, A.M.....English
ARNOLD LEDGERWOOD WILLIAMS, A.M....English
JAMES ATWELL ALEXANDER, M.A.....Geology
JAMES PERRIN ANDERSON, A.M.....History and Government
EDWARD HAROLD HUNNICUTT, A.B.....History and Government
WILLIAM MCKINLEY GRUBBS, A.M.....History and Government
JULIUS DODD LINKER, A.B.....Mathematics
WILLIAM RAE WALL, A.B.....Mathematics
SHERWOOD GITHENS, JR., A.B.....Physics
WILLIAM MONTGOMERY TREVERTON, A.B..Psychology
LEWIS BELLINGER STABLER, A.M.....Romance Languages
BEVERLY REID THURMAN, JR., A.B.....Romance Languages
JAMES YOUNG CAUSEY, B.A.....Romance Languages
WILLIAM CURTIS EZELL, A.M.....Sociology
JACK STYLES DENDY, B.S.....Zoölogy
EDWIN LUTHER GREEN, JR., B.S.....Zoölogy

STUDENT ASSISTANTS, 1931-1932

ROBERT EDWARDS STONE, A.B.....Anatomy
LANDIS GOLD BROWN, S.B. in Med.....Anatomy
NELL QUINBY HENRY, A.B.....Botany
THOMAS NORFLEET WEBB.....Botany
JOHN ROBERT RAPER.....Botany
ERNEST VICK DEANS, JR.....Botany
THOMAS LUTHER KING, B.S.....Chemistry
ROBERT HERSCHEL BELCHER, B.S.....Chemistry
DANIEL JOHNSON BRAWLEY, S.B. in Chem.....Chemistry
MILLER WADE CONN, B.A.....Chemistry
ERNEST WILLIAM CONSTABLE, S.M.....Chemistry
JAMES MILTON EARLY, B.A.....Chemistry
CLINE VERGIL HARRILL, A.B.....Chemistry
MATTHEW GEORGE HENRY, A.B.....Chemistry

* Resigned, November 1, 1931.
† Appointed, November 1, 1931.

JOSEPH NISBET LECONTE, M.S. ..... Chemistry
SIMPSON DOUGLAS SUMERFORD, B.S. ..... Chemistry
BERTRAM OLIVER COSBY, M.S. ..... Chemistry
JAMES OTHO TURNER, B.A. ..... Chemistry
FRED ARNOLD, M.A. ..... Commerce
RANKIN JONES WHITE, S.B. in Civ. Eng'g. ..... Engineering
ERNEST LELAND MIDGETTE ..... Engineering
DALMA ADOLPH BROWN, A.B. ..... English
ANDREW JOHN MAHLER, A.B. ..... English
JOHN WALTER SCOTT, A.B. ..... English
KENNETH RHODES BYERLY, B.B.A. ..... Geology
WALTER LAFAYETTE MASON, JR. ..... Gymnasium
THOMAS SHEPHERD JENRETTE ..... Gymnasium
WILLIAM JAMES CHANDLER ..... Gymnasium
NAOMI ALEXANDER, A.B. ..... Law
TRAVIS TAYLOR BROWN, A.B. ..... Law
WILLIAM THOMAS COVINGTON, JR., A.B. ..... Law
GILBERT CLYDE HARTIS ..... Pharmacy
CHARLES REGINALD RHODES, JR. ..... Pharmacy
LOUIE LEVINSON ROUSE ..... Pharmacy
CHARLES BRANDON STRICKLAND ..... Pharmacy
CHARLES LYNWOOD NEAL, JR. ..... Romance Languages
BAIN LAFAYETTE HEFFNER ..... Zoölogy
ILEY CHESTER WHITELEY ..... Zoölogy

FACULTY COMMITTEES

The President is a member *ex officio* of all committees.

ADVISORY (*elected*). Professors Bell, Carroll, W. C. Coker, Baity, Dey, A. W. Hobbs, Pierson, L. R. Wilson, VanHecke.

EXECUTIVE (*elected*). Professors Harrer, Chairman, Leavitt, Browne, Murchison, Bagby, Lasley.

ATHLETICS. Professors A. W. Hobbs, Chairman, Baity, Connor.

CHAPEL. Dean Bradshaw, Chairman, Professors Bernard, Carroll, House, Mangum, Meyer, Mr. Comer.

COÖPERATION WITH THE ALUMNI. Professors Bernard, Coates, Connor, L. R. Wilson, Dean Bradshaw.

DEBATES. Professors Bernard, Coates, McKie, Williams.

DRAMATICS. Professors Koch, Chairman, Dyer, Howe, McKie, Wheeler.

ENGLISH COMPOSITION. Professors Thrall, Chairman, Adams, Bagby, Bell, Farrar, Ferger, MacMillan, Pierson, W. B. Sanders, Totten.

ENTRANCE REQUIREMENTS. Professors Walker, Chairman, Caldwell, Carroll, R. E. Coker, Harrer, Mosher, T. J. Wilson

FOREIGN STUDY. Professors Dey, Chairman, Bell, Harrer, Leavitt, Pierson, Mr. Grumman.

FRATERNITIES. Professors Dey, Chairman, Bernard, Lyons, T. J. Wilson, Dean Bradshaw.

GROUNDS AND BUILDINGS. Professors W. C. Coker, Chairman, Booker, MacNider, Odum, Wheeler, Mr. Woollen.

HEALTH AND SANITATION. Doctor Abernethy, Chairman, Professors Bullitt, Saville, Mr. Woollen.

LIBRARY BOOK COMMITTEE. Professors L. R. Wilson, Chairman, Bernard, W. C. Coker, Dey, MacNider, Murchison, Pierson.

LIBRARY BUDGET. The Librarian, the Deans of the College, the Schools of Applied Science, Commerce, Engineering, Education, and the Graduate School, the President.

MCNAIR LECTURES. Professors Williams, Chairman, Bell, Harrer, Henderson, MacNider.

MUSICAL AND DRAMATIC ACTIVITIES. Professors A. W. Hobbs, Chairman, Dyer, Howe, Koch, L. R. Wilson.

PUBLIC LECTURES. Professors A. W. Hobbs, Chairman, W. C. Coker, Henderson, MacNider.

PUBLIC OCCASIONS AND CELEBRATIONS. Professors Connor, Hamilton, Henderson, Howe, Mangum, Wheeler, Mr. Woollen.

REGULATION OF STUDENT DANCES. Professors Bernard, Chairman, R. E. Coker, Dey.

STUDENT LIFE AND ACTIVITIES. Dean Bradshaw, Chairman, Professors, Bernard, Booker, Dyer, Meyer.

STUDENT MORTALITY. Professors Trabue, Chairman, Dashiell, Jordan, Lasley, T. J. Wilson, Dean Bradshaw.

TRAVEL STUDY IN AMERICA. Professors Bell, Chairman, Murchison, Prouty.

UNIVERSITY SERMONS. Professors Toy, Chairman, Cobb, Odum, Wheeler.

WEIL LECTURES. Professors Odum, Chairman, Connor, Murchison, L. R. Wilson.

PART TWO—GENERAL INFORMATION

THE UNIVERSITY
THE LIBRARY
THE UNIVERSITY PRESS
THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE
THE INSTITUTE OF FOLK MUSIC
ADMISSION
EXPENSES
PECUNIARY AID
MEDALS AND PRIZES
REGULATIONS
STUDENT GOVERNMENT
PUBLIC LECTURES
UNIVERSITY ORGANIZATIONS

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the University was opened in 1795.

The University is governed by a board of trustees elected by the Legislature and is free from sectionalism, sectarian or political control. The Governor of the State is *ex officio* President of the Board of Trustees.

ORGANIZATION AND DEGREES

The University is organized into a College of Liberal Arts and ten Schools, which have jurisdiction over degrees as shown below. The College of Liberal Arts: Bachelor of Arts, Bachelor of Arts in Journalism, and Bachelor of Arts in Music, and jointly with the School of Law, Bachelor of Arts and Laws; the School of Applied Science: Bachelor of Science in Chemistry, in Geology, and jointly with the School of Medicine, in Medicine; the School of Education: Bachelor of Arts in Education, and Bachelor of Arts in Education (Elementary); the School of Commerce: Bachelor of Science in Commerce, and jointly with the School of Law, Bachelor of Science in

Commerce and Laws; the School of Engineering: Bachelor of Science in Electrical Engineering, in Civil Engineering, in Chemical Engineering, and in Mechanical Engineering; the Graduate School: Master of Arts, Master of Science, and Doctor of Philosophy; the School of Law: Bachelor of Laws, Doctor of Law, Bachelor of Arts and Laws (jointly with the College of Liberal Arts), and jointly with the School of Commerce, Bachelor of Science in Commerce and Laws; the School of Medicine; Bachelor of Science in Medicine (jointly with the School of Applied Science); the School of Pharmacy: Bachelor of Science in Pharmacy; the School of Library Science: Bachelor of Arts in Library Science.

The School of Public Welfare offers courses of professional training for social work and community leadership.

In the Summer Session are offered many courses for which regular University credit is allowed, including special courses (particularly in elementary education) designed primarily for the teachers of the State. Practically all the work offered is of collegiate grade and may be counted towards some degree from the University.

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

THE GENERAL FACULTY OF THE UNIVERSITY

By action of the Trustees of the University the General Faculty includes all members of the University's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President and the General Faculty is vested final authority (under the Trustees) over all matters of University policy and activity.

THE COLLEGE YEAR

The college year is divided into fall, winter, and spring quarters of approximately twelve weeks each, and a summer session divided into two terms of about six weeks each. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and a spring recess of about six days.

RELIGIOUS INFULUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall every week-day morning, except Saturday, at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are

manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct.

PHYSICAL TRAINING

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to inter-collegiate athletics the University fosters an unusually extensive program of intra-mural sports, involving over half the undergraduates in a wide variety of games. There are contests in basketball, tag-football, indoor and outdoor baseball, tennis, soccer, quoits, rifleshooting, boxing, wrestling, fencing, and track. Intra-mural teams offer every interested student opportunity for participation in some interesting and healthful form of competition with his fellows, for learning team work and good sportsmanship.

Exercise is required three hours a week of all Freshmen, unless excused. In the fall a thorough physical examination of each new student is made, and the heart, the lungs, the eyes, and the ears are tested, in order that students defective in physical development may be given special work under the personal supervision of the Director of the Gymnasium. Round shoulders, flat chests, curvature of the spinal column, hernia, and mild cases of congenital paralysis are thus often greatly benefited and sometimes completely corrected.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs a practising physician and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, is under the immediate supervision of the University Physician, and is provided with two experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

THE UNIVERSITY LIBRARY

*Louis Round Wilson Ph.D., *Librarian.*
Robert Bingham Downs, A.B., M.S., *Assistant Librarian.*
Cornelia Spencer Love, A.B., B.L.S., *Order Librarian.*
Georgia Hicks Faison, A.,B., B.L.S., *Reference Librarian.*
Elizabeth Hardy Thompson, A.B., B.L.S., *Head Cataloguer.*
Mary Lindsay Thornton, *In charge of the North Carolina Collection.*
Alma Stone Skaggs, A.B., *In charge of Periodicals and Bindings.*
*Cecil John McHale, A.B., A.M., A.B. in L.S., *In Charge of Circulation.*
Joseph Gregoire DeRoulhac Hamilton, Ph.D., *Director of the Southern Historical Collection.*
Grace Duncan, A.B., *In charge of Library Extension Service.*

William Porter Kellum, A.B., A.M., A.B. in L.S., *Librarian of the Education Library.*
Guelda Hillyard Elliott, *Librarian of the Commerce Library.*
Lucile Marshall Elliott, A.B., *Librarian of the Law Library.*
Edith Eugenia Averitt, A.B., *Librarian of the Geology Library.*
Henrietta Rhea Smedes, *Custodian of the Rural Economics Library.*
Ruby Ross, *Custodian of the Engineering Library.*

The University Library contained on November 15, 1931, 236,162 volumes.

The Library funds are expended under the direction of the Librarian, the Library Budget Committee, the Library Book Committee, and Professors in charge of Departments, with special reference to the instruction given in the University. The annual addition of books from purchase, donations, and exchanges is approximately 15,000 volumes.

The main Library is housed in a new library building completed and occupied in July, 1929. Its seating capacity is one thousand readers; its present book capacity is approximately 300,000 volumes.

In addition to the resources of the general reference room, the Library has a collection of 41,951 bound periodicals.

Three thousand four hundred and forty-eight current periodicals, newspapers, transactions of literary, scientific, historical, and other societies, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually.

The Library is a depository for the publications of the United States Government. It maintains a depository catolog of the printed cards issued by the Library of Congress.

Five seminar rooms on the third floor of the Library facilitate advanced work in English, German, Greek and Latin, the Romance Literatures, and History.

* Resigned, January, 1932.

The North Carolina room contains all the books in the Library which relate to North Carolina, including the Weeks collection of Caroliniana. The whole makes one of the finest collections on the history of this State in the country and offers rare advantages to the research student. It is in charge of a special librarian.

The Hanes Foundation for the Study of the Origin and Development of the Book was established by the children of John Wesley and Anna Hodgin Hanes, April 5, 1929, as a memorial to their parents. This collection comprises rare and early printed books and manuscripts which are available to the faculty and students as illustrative materials.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given new students at the beginning of each year. Courses in Library Science are given for students who are preparing for positions in school, public, and college libraries.

DEPARTMENTAL LIBRARIES

Six departmental libraries are in charge of regular attendants: Commerce, Education, Engineering, Law, Geology, and Rural Economics. Five libraries: Botany, Chemistry, Medicine, Pharmacy, and Zoölogy are under the supervision of the instructors in those departments and the Librarian.

RULES

Subscribers to the Library are the students and members of the faculty.

Faculty members are not restricted as to the number of books borrowed or the time they may be retained except in the case of Fiction, "Special Collections," or books needed for Reserve. All books charged to Faculty members must be returned each June.

The term Faculty applies to men of or above the rank of Instructor.

Other persons who desire to use the Library may become subscribers on payment of a regular library fee of $4 a year, $1 for three months, or 50 cents a month.

Persons who are not subscribers may not borrow books on a subscriber's name.

Books bought for a Department do not consequently become the exclusive property of that Department. They are the property of the University, acquired through the Library, and are to be so placed as to insure their greatest use to the greatest number of students and faculty members.

A student who owes the Library for fines or lost books will not receive academic credit for his courses at the end of a quarter.

THE UNIVERSITY OF NORTH CAROLINA PRESS

*Louis Round Wilson, Ph.D., *Director*
William Terry Couch, A.B., *Assistant Director*

BOARD OF GOVERNORS

William Chambers Coker
†Robert Diggs Wimberly Connor
Robert Burton House
†Howard Washington Odum
George Coffin Taylor
Frank Porter Graham
Russell Marvin Grumman
Nathan Wilson Walker
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Robert Hasley Wettach
*Louis Round Wilson
Claudius Temple Murchison

The University of North Carolina Press was incorporated on June 12, 1922. The objects for which it was established are: (1) to publish periodicals devoted to the advancement of learning and produced at the University by or under the direction of the Faculty; (2) to publish catalogues, bulletins, and other documents pertaining to the University and its various schools and departments; and (3) to promote generally, by publishing deserving works, the advancement of arts and sciences and the development of literature.

The Press was established upon the authority of the Board of Trustees of the University, is a non-s ock corporation, is financed in part by the University, and is managed by a Board of Governors drawn from the Faculty and Board of Trustees.

In addition to the publication of books, the Press has established three series of studies under the title: The University of North Carolina (1) "Studies in Language and Literature," (2) "Studies in Social Science and History," and (3) "Studies in Science." The Press also publishes the following periodicals: *The Journal of the Elisha Mitchell Scientific Society; Studies in Philology; The James Sprunt Historical Studies; The High School Journal; Social Forces; The North Carolina Law Review; The University of North Carolina Extension Bulletin; The University News Letter; The University of North Carolina Record.*

The Press office is located in Alumni Building. The agents of the Press for Great Britain and the British Dominions are respectively *The Oxford University Press*, London, for books and studies; *The Cambridge University Press*, London, for periodicals. A complete list of publications issued by the Press will be supplied to any address on request.

* Resigned, January 1932
† Absent on leave, 1931-1932.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

*Howard Washington Odum, Ph.D., *Director.*
Katharine Jocher, Ph.D., *Assistant Director.*

BOARD OF GOVERNORS

Frank Porter Graham
Eugene Cunningham Branson
Dudley DeWitt Carroll
*Robert Digges Wimberly Connor
Joseph Gregoire de Roulhac Hamilton
Arthur Melvin Jordan
Claudius Temple Murchison
*Howard Washington Odum
*Marion Rex Trabue
†Louis Round Wilson

STAFF

Ernest Rutherford Groves, A.B., B.D., *Research Professor*
Thomas Jackson Woofter, Jr., Ph.D., *Research Professor*
Roy Melton Brown, Ph.D., *Research Associate*
Clarence Heer, Ph.D., *Research Associate*
Harriet Laura Herring, A.M., *Research Associate*
Katharine Jocher, Ph.D., *Research Associate*
Guy Benton Johnson, Ph.D., *Research Associate*
Guion Griffis Johnson, Ph.D., *Research Associate*
Rupert Bayless Vance, Ph.D., *Research Associate*
Columbus Andrews, A.M., *Research Assistant*
Julia Cherry Spruill, A.M., *Research Assistant*
Waller Wynne, A.M., *Research Assistant.*

The increasing emphasis placed upon the social sciences within recent years and the need for scientific research in this field have given rise to a number of organizations for promoting research, such as the Social Science Research Council and several of the national foundations which have set aside major portions of their funds for this purpose. In history, government, economics, sociology, jurisprudence, anthropology, statistics, social psychology, and other related fields there is need for new standards of research, for coördination, and for correlation.

At the University of North Carolina there had been for some time special need for assistance if the many investigations in the social sciences, already under way or projected, were to be carried out. It was a fortunate circumstance, therefore, when the Institute for Research in Social Science was made possible in 1924 by a special grant from the Laura Spelman Rockefeller Memorial, and later from the Rockefeller Foundation and University appropriations. An exten-

* Absent on leave, 1931-1932.
† Resigned, January 1932.

sive program of regional research, including studies in local government, southern historical backgrounds, socio-economic activities including studies in social-industrial relationships, crime and criminal justice, the Negro, folklore and folk backgrounds of the southern people, social institutions, public welfare and child welfare, human geography of the American South,—has been developed and got under way by means of concrete projects in the several fields. Accordingly, the scope of the program includes the social sciences, broadly construed, and the emphasis is upon projects and problems rather than upon disciplines. Research projects, while chosen for the most part from the state and regional field, are selected with a view to their generic value and for their possible contribution in both method and content.

The permanent staff of the Institute is composed of research professors and associates, who, in addition to their own researches, direct other researches and may give courses in line with their special subjects. There are also a limited number of research assistants on yearly appointment. These research assistantships are open to men and women who have shown ability to do original research. A Master's degree or the equivalent in research experience constitutes the minimum requirement for appointment. All appointments are made on a twelve months' basis. The awards are in no sense fellowships, but each appointment is made with the definite purpose in mind of assisting specific research in the social sciences under the direction of professors and associates. Such assistantships carry with them stipends varying from $750 to $1,500.

Additional information and application blanks for appointment may be had by writing to the INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE, The University of North Carolina, Chapel Hill, North Carolina.

THE INSTITUTE OF FOLK MUSIC

HAROLD S. DYER, *Chairman.*
LAMAR STRINGFIELD, *Research Associate.*

EXECUTIVE COMMITTEE

FRANK PORTER GRAHAM
ROBERT BURTON HOUSE
FELIX A. GRISETTE
ROBERT WHITE LINKER

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FREDERICK H. KOCH
JOHN POWELL
PHILLIPS RUSSELL
JOSEPHINE SHARKEY
TYRE TAYLOR

The South has long been known as the potential source of a wealth of folk-lore of all kinds. That native folk music is to be found in abundance in North Carolina is evidenced by the numerous surveys, compilations, and collections of manuscript which have been made during the past.

Much of this effort has ended in an accumulation of material which, although serving to provide the connoisseur with data for a report, has brought to the people of the State no consciousness of their possessions in folk music, nor the desire to utilize original melodies for the music of the home, school, and church.

It thus became apparent that research in the field of folk music must be identified with an educational institution if an adequate program of education and propaganda were to be brought to the people.

The Institute of Folk Music was organized as a department of the University in September, 1931.

Although related to the departments of social science, anthropology, and music, as here established the Institute was affiliated with the department last named.

The Institute is voluntary in support. Contributions from individuals interested in its success have been augmented by a fund created through chamber music concerts given by Mr. Lamar Stringfield, nationally known composer-flutist, Research Associate in the Institute, and assisting artists.

A state-wide program of education for the stimulation of amateur composition in music has been launched. In response to this cam-

paign, many manuscripts have been presented to the Institute for examination and critique.

Programs of American music have been given by Mr. Stringfield and assisting musicians in every section of the State. Encouragement has been lent to every effort to utilize local musical talent in the home, school, church, and social gathering.

The University Extension Division has published Mr. Stringfield's bulletin, "The Folk Music of America," which is being nationally used by music clubs as guide for study and program making.

A festival of folk music, to which musicians from all parts of the State will contribute, is the immediate goal of the Institute. The Advisory Council of the Institute is composed of nationally-known leaders in fields of education, philanthropy, social science, dramatics, and the press.

ADMISSION

ADMISSION TO THE UNIVERSITY

Evidence of successful vaccination against smallpox is a prerequisite for the admission of students to this institution. Applicants for the admission to any school are hereby informed that a certificate as to successful vaccination must be sent to the Dean of Admissions before they can be admitted.

Candidates for admission to the University are received by certificate from accredited schools or by examination.

ENTRANCE BY CERTIFICATE. Students who present certificates of work accomplished at preparaotry schools and colleges may be admitted without examination, provided the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary. Certificates must be made out on the printed forms furnished on application to the Dean of Admissions, and should be sent in as early as possible in the summer vacation. Notice is hereby given that satisfactory credentials must be in the hands of the Dean of Admissions before an applicant may register. Candidates must present themselves in person before the Committees on the Registration of Freshmen during the period of registration.

ENTRANCE BY EXAMINATION. The University will accept the certificates of the College Entrance Examination Board provided the applicants submit satisfactory school certificates also. Statewide entrance examinations are held, when asked for in advance, at the offices of the County Superintendents early in June and at the University in the week preceding the opening of the fall quarter in September. These examinations are given to graduates of non-accredited high schools and to other approved applicants who have submitted evidence of having completed the equivalent of a four years' high school course, aggregating at least fifteen units from the subjects listed below. The Dean of Admissions in each instance must approve the applicant's record as meeting this requirement. Candidates for admission by examination in September must make application to the Dean of Admissions in writing two weeks before the date for registration. Time and place for examinations will be arranged.

Admission to Advanced Standing

A candidate may be admitted to advanced standing in accordance with the amount and character of his previous training. The Dean of Admissions will accept, with proper restrictions, an official transcript of work satisfactorily completed at a college or university of good standing. All credits allowed by him stand in suspense until the candidate shall have spent one quarter in residence. If the work during this quarter is unsatisfactory, the credits may be cancelled.

A candidate for advanced standing must send to the Dean of Admissions his application accompanied by an official transcript of his previous record at least two weeks before the date for registration. Blank forms may be secured by writing the above officer. Notice is hereby given that applicants whose records at other institutions do not reach the standard required for the readmission of students at this institution will not be admitted. Notice is hereby given that satisfactory credentials must be in the hands of the Dean of Admissions before an applicant may register.

In case of students who enter as candidates for a bachelor's degree with advanced standing from other institutions the minimum requirements of residence and credits secured in residence are as follows: Residence for three quarters within a period of twelve months and a full year's work comprising at least nine courses or the equivalent. In this connection two summer terms are considered as one quarter.

Admission of Women

By action of the Trustees in February, 1897, women were made eligible for admission to the Graduate School of this institution. Almost immediately this action was extended so that women were eligible for admission to the two upper classes of the college. Some years later women whose training was found to be sufficient were admitted to the Professional Schools of Law, Medicine, Pharmacy, and later to courses in Engineering. By an extension of this action women are admitted to special courses in work that is not to be obtained in a college for women. Here are included the pre-medical and pre-dental courses and courses leading to such specialized scientific degrees as those in Chemistry and Geology. In the College of Liberal Arts, the School of Education, and the School of Commerce the University admits women students having junior standing. The Trustees in June, 1931, voted to admit as freshmen or sophomores young women residing in chapel Hill or within commuting distance provided they live with their parents (or guardian) who must be maintaining their residence as defined above. Mature women residing in Chapel Hill are admitted to such work as they are qualified to pursue. To the School of Public Welfare and for special work in play-writing and play-production "mature special students" who cannot qualify for junior standing may occasionally be admitted for reasons which must be clear in any individual case.

Entrance Requirements

For admission to the Freshman Class of the University of North Carolina fifteen units secured by the completion of a four years' high school course are required. *The fifteen units must be chosen from the list printed below and in accordance with the restrictions stated in the foot-notes following that list.* The applicant must either

present an official certificate showing his preparatory work and the recommendation of his *school (which must be on the list of accredited schools) or stand entrance examinations on an equivalent amount of preparatory work as provided for above.

It must be clearly understood that admission to the University does not necessarily mean admission to candidacy for a degree.

In order for a student to be admitted to candidacy for a degree, he must meet the specific requirements laid down by the school or college in which the degree is conferred. In some cases this will make it necessary for the candidate to carry certain courses as prerequisites over and above the courses prescribed for the degree or to make up certain deficiencies. These deficiencies must be made good before the student may register for his sophomore year.

The preparatory student should decide therefore, as early as possible, for which degree he wishes to become a candidate and carry such courses in his preparatory school as will admit him to candidacy for that degree.

Subjects Acceptable for Entrance Credit

The complete list of subjects acceptable for entrance with the credit that may be secured in each subject is as follows:

English	4 units	Economics	½ or 1 unit
**History	1 to 4 units	‡Scouting	½ or 1 unit
Mathematics	2 to 4 units	¶Music	½ or 1 unit
Greek	1 to 3 units	‡Military Science	½ or 1 unit
Latin	1 to 4 units	***Vocational Subjects	
French	1 to 3 units	Commercial Geography	½ unit
German	1 to 3 units	Drawing	½ or 1 unit
Spanish	1 to 3 units	**General Agriculture	½ to 2 units
†Biology	½ or 1 unit	Bookkeeping	1 unit
†Botany	½ or 1 unit	Commercial Arithmetic	1 unit
†Chemistry	½ or 1 unit	Stenography and Typewriting (together)	1 unit
†Physics	½ or 1 unit	Manual Training	½ to 2 units
†Zoölogy	½ or 1 unit		
†General Science	½ or 1 unit		
†Physiography	½ or 1 unit		
Physiology	½ unit		
Civics	½ or 1 unit		

* It is definitely understood that, in case an applicant has attended another school subsequent to graduation from a high or preparatory school, the recommendation of the school last attended is required.

** As many as four (4) units in history and two (2) units in agriculture may be accepted. This amount of credit will be allowed only when the Dean of Admissions is satisfied that the work done in these subjects at any given school is of a superior order.

† One (1) full unit in any of the sciences will be allowed only when satisfactory work is done in the laboratory as evidenced by the notebook, otherwise only one-half (.5) unit will be allowed.

‡ Entrance credit for this subject will be allowed only in case the certifying school credits it towards its diploma.

¶ Credit for music will be allowed only in case the work is shown by a supplementary certificate to conform with the standards set up by the Southern Association of Colleges and Secondary Schools and provided also the certifying school credits it towards its diploma.

*** Credit for vocational subjects is limited to a total of three (3) units.

PRESCRIBED REQUIREMENTS

The requirements for admission to candidacy for the different degrees in the College and in the several Schools within the University are as follows:

THE COLLEGE OF LIBERAL ARTS
(The Degrees A.B., A.B. in Journalism, A.B. in Music)

English..... 4 units
American History..... 1 unit
Mathematics (Algebra, Plane Geometry)....2½ or 3 units

Select Two { Greek.....2 units; Latin.....2 units; German.....2 units; French.....2 units; Spanish.....2 units } 4 units

Electives to make total of 15 units

NOTE, that two foreign languages to the amount of not fewer than four (4) units (two units in each of two languages) are required for admission to candidacy for the A.B. degrees. The languages so presented must be continued as the required foreign languages, or the elementary courses (1 and 2) of a substituted language must be taken without credit towards the degree. Elementary Greek (1-2) and Elementary German (1-2), however, when completed satisfactorily in this institution, will be counted also as electives for degree credit.

THE SCHOOL OF APPLIED SCIENCE
(The Degree S.B.)

Bachelor of Science in Chemistry

English..... 4 units
American History..... 1 unit
Mathematics (Algebra, Plane Geometry)....2½ or 3 units
French..... 2 units
German..... 2 units
Science..... 1 unit
Electives to make total of 15 units

NOTE, that the requirements for admission to candidacy for the degree S.B. in Chemistry call for : French *and* German.

Bachelor of Science in Geology

English..... 4 units
American History..... 1 unit
Mathematics (Algebra, Plane Geometry)....2½ or 3 units
French, German, or Spanish..... 2 units
Science..... 1 unit
Electives to make total of 15 units

NOTE, that the requirements for admission to candidacy for the degree S.B. in Geology call for: *One* modern foreign language.

Bachelor of Science in Medicine

English..... 4 units
American History..... 1 unit
Mathematics (Algebra, Plane Geometry)....2½ or 3 units
*German..... 2 units
*French..... 2 units
Electives to make total of 15 units

* The curriculum for this degree requires four courses of college grade work in French or German above the elementary courses 1 and 2 or two such courses in French *and* two such courses in German. If one language is taken that language must be continued through French 22 or German 22; if both languages are taken, the requirements are French through course 4 and German through course 4. Hence the entrance requirement is either French or German (if one language is to be taken) or both French and German (if both languages are to be taken).

Requirements for admission to the Pre-medical or Pre-dental Curriculum:

English	4 units	French or German	2 units
American History	1 unit	Electives to make total of	15 units
Mathematics (Algebra, Plane Geometry)	2½ or 3 units		

NOTE, that the requirements for admission to the Pre-medical or Pre-dental Curriculum call for: Either French or German.

THE SCHOOL OF ENGINEERING
(The Degree S.B.)

Bachelor of Science in Chemical, Civil, Electrical, or Mechanical Engineering

English	4 units	French, German, Spanish, Greek, or Latin	2 units
American History	1 unit	Science	1 unit
Mathematics (Algebra, Plane Geometry)	2½ or 3 units	Electives to make total of	15 units

NOTE, that the requirements for admission to candidacy for the degree S.B. in Chemical, Civil, Electrical, or Mechanical Engineering call for: *One* foreign language.

THE SCHOOL OF EDUCATION
(The Degree A.B. in Education)

English	4 units			
American History	1 unit	4 units required	Greek 2 units Latin 2 or 4 units German 2 units French 2 units Spanish 2 units	4 units
Mathematics (Algebra, Plane Geometry)	2½ or 3 units			
		Electives to make total of		15 units

NOTE, that 4 units of foreign language are required for admission to candidacy for the degree of A.B. in Education. This requirement may be satisfied by 4 units of Latin or by 2 units of Latin and 2 of one other foreign language, or by 2 units each in any two of the foreign languages here listed.

THE SCHOOL OF COMMERCE
(The Degree S.B. in Commerce)

English	4 units			
American History	1 unit	Select Two	Latin 2 units German 2 units French 2 units Spanish 2 units Greek 2 units	4 units
Mathematics (Algebra, Plane Geometry)	2½ or 3 units			
		Electives to make total of		15 units

NOTE, that the requirements for admission to candidacy for the degree S.B. in Commerce call for: *Two* foreign languages, one of which must be a *modern* foreign language, to the extent of two units in each language.

THE SCHOOL OF PUBLIC WELFARE

The one-year and two-year courses of professional training are open to graduates of colleges of good standing.

Students of mature age not eligible to the regular courses by reason of not holding a degree may be admitted to special courses of one quarter or more provided they have had sufficient general education and practical experience to insure satisfactory work and conform to University requirements. Correspondence in regard to such admission should be addressed to the Director of the School of Public Welfare.

THE GRADUATE SCHOOL

Holders of Bachelors' or Masters' degrees from standard colleges are admitted to the Graduate School upon presentation of their credentials. For further details the prospective student is referred to the Catalogue of the Graduate School.

THE SCHOOL OF LAW

Candidates for the Degree LL.B.

Students who are to be candidates for the degree of LL.B. must have completed such college work as will fit them for the study of Law. For detailed statement of the subjects required see under the School of Law, Part Five. First year students may not enter at the opening of the second term.

THE SCHOOL OF MEDICINE

Requirements for Admission to the Medical Curriculum

The minimum requirements for admission to the medical curriculum are two years (—60 semester hours) of college work, which must include a minimum of twelve semester hours in chemistry (including four semester hours of organic chemistry), eight semester hours in biology, eight semester hours in physics, six semester hours in English, and six semester hours in a foreign language beyond the amount required in the language chosen for admission to the University. *No student will be admitted with less than the equivalent of sixty semester hours of accredited collegiate work, or with a condition on any of the required subjects in science.* All admissions are made with the approval of the Dean of the School of Medicine. The maximum number admitted to the first year class is forty-two, to the second year class it is forty. The Dean reserves the right to select from the entire list of applicants (usually many more than the number who can be admitted) those applicants who in his judgment are best qualified for the study of medicine. The fact that an applicant may have been registered in our curriculum leading to Bachelor of Science in Medicine does not obligate the Dean to admit him to the School of Medicine.

Admission to Advanced Standing

Candidates for admission to the second year of the medical curriculum must present certificates from an accredited medical school stating that they have had the required fifteen units, at least two years of college work as indicated above, and have completed the subjects of the first year of the medical course as outlined.

THE SCHOOL OF PHARMACY

Bachelor of Science in Pharmacy

English	4 units	French or German or	
American History	1 unit	Latin	2 units
Mathematics (Algebra,		Electives to make total of	15 units
Plane Geometry)	2½ or 3 units		

NOTE, that the requirements for admission to candidacy for the degree S.B. in Pharmacy call for: French or German or Latin.

THE SCHOOL OF LIBRARY SCIENCE

A detailed statement covering the requirements for admission as a candidate for the degree of Bachelor of Arts in Library Science will be found under the school of Library Science, Part Five.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter

	Residents of N. C.	Non-Residents of N. C.
College of Liberal Arts:		
Tuition	$25.00	$50.00
*Matriculation	14.50	14.50
Student Publications	2.00	2.00
Laundry Deposit	8.50	8.50
Entertainment fee	1.00	1.00
Student Union fee	1.00	1.00
Total for each quarter	$52.00	$77.00
School of Engineering:		
Tuition	$33.34	$58.34
Matriculation	14.50	14.50
Student Publications	2.00	2.00
Laundry Deposit	8.50	8.50
Student Union fee	1.00	1.00
Total for each quarter	$59.34	$84.34

School of Applied Science:

Same as for the College of Liberal Arts, omitting the Entertainment fee.

School of Education:

Same as for the College of Liberal Arts.

School of Commerce:

Same as for the College of Liberal Arts, plus an additional fee of $1.00 for reading and materials for each quarter.

School of Public Welfare:

Same as for the College of Liberal Arts, omitting the Entertainment fee.

Graduate School:

Same as for the College of Liberal Arts, omitting the Entertainment fee.

* This fee includes fee for physical education, the library fee, the fee for attendance of the University Physician, and the fee for debates.

	Residents of N. C.	Non-Residents of N. C.
School of Law:		
Tuition for fall and spring terms, each	$50.00	$ 87.50
*Matriculation fee each term	21.75	21.75
Student Publications fee each term	3.00	3.00
Student Activities fee each term	2.50	2.50
Laundry Deposit each term	12.75	12.75
Student Union fee each term	1.50	1.50
Total for each term	$91.50	$129.00
School of Medicine:		
*Tuition and Matriculation	$83.34	$108.34
Student Publications	2.00	2.00
Laundry Deposit	8.50	8.50
Student Union fee	1.00	1.00
Total for each quarter	$94.84	$119.84
School of Pharmacy:		
Tuition	$28.34	$53.34
*Matriculation	14.50	14.50
Student Publications	2.00	2.00
Laundry Deposit	8.50	8.50
Student Union fee	1.00	1.00
Total for each quarter	$54.34	$79.34

School of Library Science:

Same as for the College of Liberal Arts, omitting the Entertainment fee, except that the student should expect to spend from $15.00 to $20.00 for textbooks and special material.

LAUNDRY DEPOSIT: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

LABORATORY FEES: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are as follows:

BACTERIOLOGY

1	$ 4.00	3	$10.00
2, 5 (Non-med. students)	6.00	(Non-med. students)	

* This fee includes fee for physical education, the library fee, the fee for attendance of the University Physician, and the fee for debates.

BOTANY

1, 21, 22, 41, 43, 52	$ 4.00 a quarter	211, 212, 213, S214	$ 4.00 a quarter
103, 111, 112, 113, 122, 133, 141, 151, 153, S154	4.00 a quarter	251, 252, 253, S254	4.00 a quarter
		301, 302, 303	4.00 a quarter

CHEMISTRY

1-2	$ 5.50 a quarter	167, 168, 191, 192	$10.00 a quarter
31, 41, 42, 91, 92	10.00 a quarter	341, 342, 343	10.00 a quarter
61, 62	10.00 a quarter	351, 352, 353	10.00 a quarter
81, 82, 169, 185	7.00 a quarter	361, 362, 363	10.00 a quarter
93	5.00	381, 382, 383	10.00 a quarter
121, 122, 123	10.00 a quarter	391, 392, 393	10.00 a quarter
163, 164, 165	10.00 a quarter		

COMMERCE

61, 161	$ 1.00 a quarter	177	$ 2.00
71, 71P, 72, 171	3.00 a quarter	179	2.50
172, 173, 175	3.00 a quarter		

ECONOMICS

11	$ 3.50	71, 271	$ 2.00 a quarter

ENGINEERING

G.E. 36bc	$ 4.00 a quarter	G.E. 56, 236abc	$ 5.00
Ch.E. 94	7.00	Ch.E. 191	10.00
C.E. 25a, 55a, 65a	4.00 a quarter	C.E. 30a, 40a, 160abc	4.00 a quarter
C.E. 35a	6.00	C.E. 60a	8.00
C.E. 165abc	4.00 a quarter	C.E 280a	2.00
C.E. 285ab	2.00 a quarter	C.E. 290abc, 365abc	5.00 a quarter
C.E. 360abc, 370abc	5.00 a quarter		
E.E. 2abc, 22abc	4.00 a quarter	E.E. 97abc	3.00 a quarter
E.E. 52bc, 62abc	5.00 a quarter	E.E. 262a	10.00
E.E. 162abc	7.00 a quarter		
M.E. 53bc, 63abc	5.00 a quarter	M.E. 78bc, 166a	5.00 a quarter
M.E. 73a, 85a	5.00 a quarter		

ENGLISH

61, 62, 63, 64, 65, 66	$ 2.00 a quarter

GEOLOGY

5, 47, 111-112, 121-122	$ 3.50 a quarter	56	$ 2.00
11, 12, 41	3.00 a quarter	77, 78, 123, 131, 133, 134	3.50 a quarter
43-44, 105	5.00 a quarter	171, 172, 173	3.50 a quarter
45, 51, 52, 53, 61-62	2.50 a quarter	174, 175, 176	3.50 a quarter

JOURNALISM

53, 54, 55.....$ 2.00 a quarter

MATERIA MEDICA

55.....$ 5.00

291, 292, 293.....$10.00 a quarter

MUSIC

80-81-82.....$18.00 a quarter (first year)

80-81-82.....$36.00 a quarter (after first year)

PHARMACEUTICAL CHEMISTRY

61, 70.....$ 5.00 a quarter
64, 161, 162, 163..... 7.50 a quarter

62, 63, 141, 172, 173, 242, 243, 245, 261, 262, 263, 290, 291, 292.....$10.00 a quarter

PHARMACOLOGY

32.....$ 5.00

PHARMACY

11.....$ 3.00
12, 49, 93..... 5.00 a quarter
23, 91, 92..... 7.50 a quarter

21, 40, 81, 82, 141, 144, 145, 146, 191, 192, 193, 290, 291, 292.....$10.00 a quarter

PHYSICS

21-22.....$ 4.00 a quarter
21E, 22E, 23E..... 2.50 a quarter

102, 104, 105, 107....$ 3.00 a quarter
51..... 15.00

PSYCHOLOGY

21-22.....$ 4.00 a quarter
125, 135, 136, 147.... 2.00 a quarter
138, 145, 146..... 1.00 a quarter

126.....$ 1.50
151, 152, 153..... 2.00 a quarter
201, 202, 203, 205.... 2.00 a quarter

ZOÖLOGY

41b, 42b, 103, 104, 105 $ 5.00 a quarter
106, 107, 108, 109.... 5.00 a quarter
209, 210, 211..... 5.00 a quarter

212, 213, 214.....$ 5.00 a quarter
215..... 5.00
316..... 3.00 or 5.00

TRANSCRIPTS OF RECORD. One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of $1.00 for each copy.

DIPLOMA. The fee for a diploma is $5.00, payable one week before the date of the award of diplomas at commencement or at the end of the Summer School.

Board

Excellent board is furnished at Swain Hall for $20.00 a month. A few students can earn their board by waiting on the tables.

Board without room can be obtained in the town from $22.50 to $35.00 a month.

Dormitory Accommodations

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), and towels.

Room rent ranges from $5.00 to $11.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are rented for the fall quarter and for the combined winter and spring quarters.

PECUNIARY AID

FELLOWSHIPS AND SCHOLARSHIPS

The Ledoux Fellowship in Chemistry. (Established in 1911 by Dr. Albert R. Ledoux.) The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields $300 annually.

The Graham Kenan Fellowship in Philosophy. A fellowship supported by the income from an endowment of twenty-five thousand dollars, established in 1921, by Mrs. Graham Kanan, in memory of her husband, an alumnus and trustee of the University. This fellowship is awarded annually by Professor Henry Horace Williams.

The Moore Scholarships. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed $5,000, the interest of which shall be devoted to paying the tuitions of students.

The Mary Ruffin Smith Scholarships. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint.

The Mary Ann Smith Scholarships. (Established in 1891). Miss Mary Ann Smith bequeathed $37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

The Cameron Scholarships. (Established in 1892). The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of $75 each.

The Speight Scholarships. (Established in 1892). The late Mrs. Mary Shephard Speight bequeathed $10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of the professors.

The Wood Scholarship. (Established in 1892). Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of $75.

The Dialectic and Philanthropic Literary Societies' Scholarships. (Established in 1893). The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of $75 each, recipients of which shall give assistance in the Library.

THE WEIL SCHOLARSHIP. (Established in 1898). A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of $75.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904). These scholarships were founded by the generosity of the late Mr. Eugene M. Armfield, of High Point, N. C., a member of the class of 1888.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904). These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919). Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE MILDRED WILLIAMS BUCHAN SCHOLARSHIP. (Established in 1920). A fund of one thousand dollars was given by Mr. Edward Robertson Buchan in memory of his wife. The income of this fund is to support a scholarship in the Department of Philosophy.

THE HOLT SCHOLARSHIPS. Four scholarships are maintained by the income from the Holt Loan Fund, established in 1920 by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni, and they vary in stipends according to the funds in hand.

THE R. H. LEWIS SCHOLARSHIPS. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE MRS. AUGUSTUS H. JONES SCHOLARSHIP was created by a gift of two thousand dollars from Mrs. James H. Parker, of New York City, the income to be used for one scholarship. The recipient of this scholarship is to be designated by Mrs. James H. Parker during her life and thereafter upon recommendation of the New York Chapter of the United Daughters of the Confederacy. Failing this recommendation from either source, appointment is to be made by the President of the University, preference being given first to relatives of the late Dr. James H. Parker, of New York, and second to the relatives of the donor.

THE GEORGE NEWBY TOMS SCHOLARSHIPS. Established 1926 by Mr. C. W. Toms, in memory of his son, George Newby Toms. The income from a fund of $5,000 is granted by the University as

scholarships to worthy students, preference being given to students from Durham and Perquimans counties in North Carolina.

THE GENERAL ROBERT RANSOM SCHOLARSHIP. This scholarship to the value of $200 is awarded each year to a lineal descendant of a Confederate Veteran. It is awarded and controlled by the United Daughters of the Confederacy in North Carolina.

THE JEFFERSON DAVIS ESSAY SCHOLARSHIP. Awarded each year by the United Daughters of the Confederacy in North Carolina to the high school graduate who writes the best essay on Jefferson Davis. Value $200.

WILLIAM BLOUNT RODMAN SCHOLARSHIPS. Two scholarships assigned to students at the University from the memorial trust fund created by Colonel W. B. Rodman in memory of his father, William Blount Rodman. They are assigned by the State Superintendent of Public Instruction, Trustee of the fund.

THE DANIEL G. FOWLE SCHOLARSHIP. One scholarship founded in 1928 by Mrs. Walter F. Stearns (Mary H. Fowle) in memory of her father, Governor Daniel G. Fowle. Mrs. Stearns reserves the right to award the scholarship to a member of her own family; otherwise it will be awarded by the Superintendent of the Raleigh Schools and the Principal of the Raleigh High School to one Raleigh student on the basis of merit, character, and scholarship. Value annually $100.

THE MARY K. BROWN MEMORIAL SCHOLARSHIP. (Established in 1931). A fund was established by Mrs. James M. Brown in memory of her daughter, who served with unusual devotion as Secretary of the School of Commerce of the University. The scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

None of these scholarships is open to students in the Schools of Law, Medicine, Pharmacy, and Library Science. For scholarships open to students in these Schools, please see Part Five of this Catalogue.

This list does not include certain annual contributions for scholarships, which are not on an endowment basis.

All applications for scholarships must be filed in the President's office on or before July first, and must be in the regular form prescribed by the University. Blank forms are supplied on application to the President.

FREE TUITION

Free tuition in the College and in the non-professional schools is given to candidates for the ministry, to the sons of ministers residing in the State, and to residents of North Carolina under bodily infirmity. In the School of Education free tuition is given to teachers in the schools of North Carolina, and to students (residents of North Carolina) preparing to teach. In order to secure this free tuition,

students preparing to teach must be candidates for the degree of A.B. in Education, and agree to teach in North Carolina for at least two years within a period of three years after leaving the University. This enables the University to aid effectively the public school teachers of the State.

Attention is called to the fact that under this provision free tuition is not given in any professional school nor in the Graduate School.

LOAN FUNDS

THE DEEMS FUND. (Established in 1879). A fund of $600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of $10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1908-1909.

THE HOGUE FUND. A fund of $4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

THE HEWITT FUND. A fund of $18,700 was established in 1916 by the bequest of Mr. Joseph Henry Hewitt, of Princess Ann County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

THE HOLT FUND. A fund of $10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

THE VICTOR S. BRYANT FUND. A fund of $7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. The principal and the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

THE MASONIC LOAN FUND. A fund of $1,250 has been established by the Grand Lodge of Masons, the Grand Chapter of Royal Arch Masons, and the Grand Commandery of Knights Templar of North Carolina, for the purpose of "assisting worthy boys and girls to secure an education." The principal of this fund is loaned, and

the interest is added thereto. The fund became available in the fall of 1922, and has since been increased.

THE SEELY FUND. A fund of $1,000 has been established by Mr. F. L. Seely, of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

THE E. S. BLACKWOOD MEMORIAL LOAN FUND, created by bequest of Miss Katherine B. Blackwood, of New York City. This fund consists of $10,000 "to be used as a loan fund for needy students." This fund is administered in the same manner as the Deems fund.

THE A. B. ANDREWS LOAN FUND. In May, 1925, the five children of the late Colonel A. B. Andrews (William J. Andrews, class of 1891; Alexander B. Andrews, class of 1893; Mrs. W. M. Marks; John H. Andrews, class of 1897, and Graham H. Andrews, class of 1903) established a fund of $2,500 of which the principal and interest are to be loaned to worthy students. This fund has been increased to $3,750 through the subsequent gifts from Mr. Alexander B. Andrews, of Raleigh, N. C. The A. B. Andrews Loan Fund is administered as are other loan funds from the University and is established as a memorial to Colonel A. B. Andrews, a noted railroad builder in North Carolina and a Trustee of the University. It is requested by the donors that assistance from this fund be rendered first to students from those counties of North Carolina in which Colonel Andrews built railroads and second to those counties through which lines of the S. A. L., Norfolk-Southern, and Southern railway systems run.

THE J. E. LEAR FUND. This fund of $5,244 became available in 1924 as a fund upon which students in the School of Engineering, especially students in electrical engineering, would have first claim. The fund was the result of installation work done by the senior class in electrical engineering under the supervision of Professor J. E. Lear.

THE POGUE LOAN FUND. The fund of $1,000 was presented to the University in April, 1930, by Mrs. Joseph E. Pogue as a memorial to her husband, the late Mr. Joseph E. Pogue, the fund to be known as the Joseph E. Pogue Loan Fund. The principal and interest are to be loaned to deserving students.

THE EDMONDS LOAN FUND. The fund of a little over $800 has been set up by the Class of 1915 as a memorial to W. H. Edmonds, a member of that class.

GRAIL LOAN FUND. In June, 1930, the Order of the Grail, an undergraduate organization at the University of North Carolina, gave $1,400 to be known as the Grail Loan Fund. The principal of this fund is to be loaned to worthy students and the income is to be used as the Grail Scholarship. This scholarship, at present a

cash award of $60, is to be made each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the annual State-wide examination conducted by the North Carolina College Conference.

THE BLETHEN LOAN FUND. During the fall of 1930, Col. C. B. Blethen, of Seattle, Wash., gave $2,000 to be known as the Alden Joseph Blethen III Memorial Lending Fund. This he did as a memorial to his son, A. J. Blethen III, a member of the Class of 1934. The principal of the fund is to be loaned to deserving students.

ESCHEATS FUND. According to State law, clerks of court are directed to forward to the University money included in estates for which no heir can be discovered. For these funds the University is merely custodian for a period of years during which any heir discovered may legally claim the funds. During this period the money is placed in the Student Loan Funds as a temporary investment.

Applications for Loans

Applications for loans will be considered when made in person by students registered in the University. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest. Application should be made to the Dean of Students as far in advance as possible.

Self Help

Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. A few students are selected by the authorities as waiters at Swain Hall. Otherwise all opportunities available in the University and town must be secured by the personal efforts of the individual, with the assistance of the Self-Help Bureau of which Mr. Edwin Lanier is secretary. They are not assigned by the President of the University nor by the Executive Secretary nor by the Dean of Admissions nor by the Dean of Students. Application should be made direct to the Self-Help Bureau of the Y. M. C. A. as far in advance as possible.

MEDALS AND PRIZES

THE MANGUM MEDAL IN ORATORY. (Established in 1878). A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, class of 1815, is continued by his granddaughter, Mrs. Stephen B. Weeks, and his great-grandson, Mr. Julian Turner, and is awarded to that member of the Senior Class who shall deliver the best oration at Commencement.

THE EARLY ENGLISH TEXT SOCIETY PRIZE. (Established in 1886). A special prize is offered annually by the Early English Text Society of London for advanced work in Anglo-Saxon and Middle English.

THE EBEN ALEXANDER PRIZE IN GREEK. (Established in 1887). A prize of $10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889). A prize of $50 is offered annually by Mr. William H. Kerr in memory of his father, Professor Washington Carruthers Kerr, to any undergraduate or graduate student for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE BINGHAM PRIZE IN DEBATE. (Established in 1899). This prize is offered by Mr. R. W. Bingham, in memory of his great-grandfather, grandfather, father, and brother. It is given annually, for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held during Commencement.

THE BRYAN PRIZE IN POLITICAL SCIENCE. (Established in 1903). A prize will be given annually for the best thesis in Political Science. This fund was established by the late William Jennings Bryan.

THE HUNTER LEE HARRIS MEMORIAL. (Established in 1903). Dr. Charles Wyche, of St. Louis, offers annually, in memory of Hunter Lee Harris, of the class of 1889, a gold medal for the best original story by any student in the University.

THE WILLIAM CAIN PRIZE IN MATHEMATICS. (Established in 1908). A gold medal is offered annually to that student who shall take the highest rank in Mathematics 4-5. No student will be recommended for the prize unless he attains to grade B.

MARY D. WRIGHT MEMORIAL MEDAL, given by Mr. P. E. Wright of Landis. A $25 gold medal will be awarded to the best speaker on the winning team of the two Literary Societies in their annual debate held in December.

THE ARCHIBALD HENDERSON PRIZE IN MATHEMATICS. A prize of $25 in gold is given by Professor Archibald Henderson to the graduate

student who produces the best piece of original research in Mathematics.

THE PATTERSON MEDAL. (Established in 1924). A gold medal is offered annually by Lieutenant Commander D. F. Patterson, U. S. N., Mr. Albert F. Patterson, and Dr. Joseph F. Patterson to commemorate the memory of their brother, John Durant Patterson. This medal is awarded for general excellence in athletics to a student selected by a special committee.

THE DELTA SIGMA PI SCHOLARSHIP KEY. The Alpha-Lambda Chapter of Delta Sigma Pi awards annually a gold scholarship key. This key is presented to that Senior, who, upon graduation, in the opinion of the faculty ranks highest in scholarship for the entire course in Commerce. Not upon scholarship only is the key awarded but also upon leadership and promise of future usefulness. This key may be awarded to any student in the School of Commerce regardless of whether or not he is a member of Delta Sigma Pi.

THE CHI OMEGA PRIZE. The local chapter of the Chi Omega fraternity offers a prize of $25 in gold to the student who for the college year does the best work in the Department of Sociology.

Certain other prizes are offered in the Professional Schools of Law, Medicine, and Pharmacy. For these, see under the several schools.

REGULATIONS

SPECIAL NOTICE TO STUDENTS

This catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

FRESHMAN WEEK

In order to facilitate the process of adjustment which the freshman must pass through, the University has set up a "freshman week" program. The events of this week include mental and physical measurements, pre-registration counseling, special lectures on student traditions, library tours, and social gatherings, in adbition to the registration for courses on Wednesday. This program begins with a meeting of the entire freshman class in Memorial Hall at 8:30 a.m. on Tuesday morning, September 20, 1932. All students entering the University for the first time in the Freshman class are required to be present at this and all other appointments comprising the program of freshman week.

REGISTRATION

All students are expected to present themselves for registration *Wednesday* or *Thursday, September 21* or *22, 1932,* between the hours of 9 a.m. and 5 p.m., at the places announced in the plan for registration. Freshmen are expected to complete their registration on *Wednesday, September 21;* all others on *Thursday, September 22.* All men registering here for the first time will report for physical examination to Dr. R. B. Lawson in the gymnasium; all women will consult Mrs. M. H. Stacy, Adviser to Women, in her office in the South Building, third floor. Bills for tuition and fees are payable at the time of registration. In the School of Law the fee for delayed registration is charged in the fall term as well as in the spring term. For the winter and spring quarters all students must register in December and March according to a schedule published immediately before the examinations for the fall and winter quarters begin.

Registration for credit is limited to the first seven calendar days of a quarter.

PAYMENT OF BILLS

Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure (within five days) to pay or to make proper arrangements for payment results in suspension from the University.

DELAYED REGISTRATION

The penalty for delayed registration for the winter and spring quarters is one month of strict probation for each day of delay. No excuses will be accepted.

Any student registering later than the time appointed for his registration for the winter or the spring quarter must pay five dollars ($5.00) as an additional fee for delayed registration. No excuses will be accepted.

In the School of Law the fee for delayed registration is charged in the fall term as well as in the spring term.

ARRANGEMENT OF COURSES

Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. See PART THREE, INTRODUCTORY NOTES.

Each student, when he presents himself for registration, must submit a list of courses, required and elective, which he desires to pursue.

No student will be allowed to take fewer than three nor more than three and one-half courses without special permission of his Dean.

Students desiring to change their courses must make written application to their respective Deans for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. The written permission of the Dean must be presented at the office of the Registrar and payment be made of the fee of twenty-five cents for each item of change. Changes in registration are limited to the first seven calendar days of a quarter.

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Cashier in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University buildings.

In order to retain his room for the next session, a student must file with the Cashier before May 25, an application and a deposit of $5.00 as an option. By December 10 another deposit of $5.00 must be made in order to retain the room for the winter and spring quarters. Double rooms must be applied for by both intending occupants. The rooms thus applied for will be retained until September 1 and January 1 respectively, when balance of rent is due. The $5.00 option deposit will be forfeited in case the applicant or applicants do not themselves occupy the room and pay the full rent. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

CONDUCT

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism may be required to leave the University.

Students, unless *bona fide* residents of Chapel Hill, when suspended from the University for disciplinary reasons, must leave the campus and Chapel Hill within forty-eight (48) hours or forfeit the right to readmission at any time.

ATTENDANCE

ARTICLE I

Sec. 1. Regular class attendance is a student obligation.

Sec. 2. The unexcused absence is not recognized as a student privilege.

Sec. 3. Any student having attained the honor roll during two consecutive quarters shall be exempt during the ensuing quarter from the regulations governing absences and shall be exempt thereafter so long as that student maintains the honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absence does not apply to attendance requirements relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that

student is absent without excuse immediately before or immediately after holidays.

Sec. 4. Departments or instructors may, on occasion, permit the student to attend or engage in an educational activity other than that of the class as a substitute for class attendance.

ARTICLE II

Sec. 1. The keeping of daily class attendance records is an obligation of the instructor.

Sec. 2. Collection of daily absence reports is an administrative responsibility. These reports shall be conveyed daily to the Registrar's Office, where they shall be recorded promptly and be made available for use.

ARTICLE III

Sec. 1. Absences from class attendance for cause may be excused. Such absences are those due (a)* to participation in recognized University activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers, when occuring away from Chapel Hill, such excuses to be issued by the Registrar; (b)† those due to actual illness, testified to by the physician who attended the student in person during illness; and (c) those due to emergencies caused by extraordinary circumstances, when excused by the Dean of the School concerned.

Sec. 2. The Registrar's Office shall furnish to the student a record of excused absences for the information of instructors.

Sec. 3. The maximum number of unexcused absences shall not exceed, during any quarter, the number of weekly meetings of the class, provided that any department may impose penalties for a less number of absences.

Sec. 4. Absences immediately before or immediately after University holidays shall count as the maximum number described in Section 3 of this Article.

Sec. 5. Any student who has incurred the maximum number of unexcused absences shall be placed on attendance probation, and in case of an additional unexcused absence, may be suspended from the University by his Dean. Before the decision is reached regarding suspension, the Dean shall confer with the instructor or the head of the department involved or both.

ARTICLE IV

Sec. 1. Any student who is absent from a quiz or an examination at the appointed time thereof without excuse as defined above in Article III, Section 1, will not be permitted to make up this quiz or

* Such authorized leaves of absence must be secured in advance.

† Excuses for illness must be reported within forty-eight hours from the time of the beginning of the illness.

examination. Any department may impose a fee not exceeding one dollar ($1.00) upon the student having excuse for such absence for the privilege of taking a special quiz or examination or a make-up laboratory exercise.

ARTICLE V

Sec. 1. No student unless exempted by Section 3, of Article I shall be given credit in the University for any course unless that student has attended at least 75 per cent of the class meetings of the course during the quarter in which it is offered.

Sec. 2. Departments may require students who have been absent, whether the absences are excused or not, to make up work covered during the periods thereof.

Other Regulations Governing Attendance

In any quarter, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class until he has been registered as a member of that class.

A student who has been dropped for absences from a sufficient number of classes to reduce his schedule to one course will be suspended from the University for the remainder of the quarter on the ground of neglect of duty.

The grade of a student who quits a course without the permission of the Dean of his College or School is recorded officially as F.

The grade of a student who drops a course in which he is failing at that time shall be recorded as F, unless, in the judgment of his Dean, the reason for his failure be circumstances clearly beyond his control.

A student who is absent from any class without permission on the day immediately preceding or immediately following a holiday or recess shall go on strict probation for thirty days. Any student may appeal his case in writing within five days to the Executive Committee of the faculty.

Attendance at chapel is required of Freshmen every week-day except Saturday and of Sophomores on Mondays and Fridays. Absence from chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the Registrar or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each quarter in all courses except those the nature of which is such as to make written examinations unnecessary.

Before receiving his degree each senior in the College of Liberal Arts and each senior in the School of Commerce is required to pass to the satisfaction of his major department an examination in the field of his major study. Such a comprehensive examination may be offered to a student only once in any one quarter. This rule became effective with the class receiving degrees in June, 1930.

Special examinations may be taken by students who have received the condition grade (E) at the period of the special examinations in September.

Provided he has no conflict with a course regularly taken by him in the quarter such a student may take an examination at any regular quarter examination in the same subject within a year after he has made the grade E. The grade E becomes F if the student fails to pass the special examination.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class days in any quarter.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Registrar and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a quarter, or at the September period, or at a regular quarter examination period, the student is required to file with the Registrar at least one week prior to the examination period a written notice that he desires to take such examination.

Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p.m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature, the instructor may extend the time in his discretion.

No students other than the following should be permitted to take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported from the Registrar's office to the instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Registrar's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that

during this examination I have neither given nor received aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded. All others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of the period shall be set for the first day of the next period.

The order of examinations for the removal of conditions in September, 1932, will be as follows:

Monday, September 19

8:30 a.m.	Compar. Literature	11:00 a.m.	Botany
	Greek		Engineering
	Physics		Latin
	Sociology		
2:00 p.m.	Geology	4:30 p.m.	Chemistry
	Psychology		Commerce
	Rural Economics		Philosophy

Tuesday, September 20

8:30 a.m.	Education	11:00 a.m.	Music
	English		History and Gov't.
	German		Mathematics
2:00 p.m.	Economics		
	Romance Languages		
	Zoölogy		

STANDING

After the close of each quarter reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following system of marking:

Grade A, Excellent.
Grade B, Good.
Grade C, Fair.
Grade D, Barely passed.
Grade E, Conditioned.
Grade F, Failed.
*Grade I, Work incomplete.

A student must attain a grade of D to pass in any study. Grade E indicates that the student is conditioned but may remove the deficiency by special examination, as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

A student has the right to appeal as to grading of his examination paper by his instructor. The appeal must be made to the President within three months after the examination. The President will appoint a committee of three persons who shall consider the case and whose decision shall be final.

To be eligible for graduation a student must secure the grade of C or higher on at least half of his courses.

Interpretation of this ruling:

(1) The rule applies to all undergraduate students for work passed subsequent to September, 1930.

(2) A student who completes the required courses but with grades which do not entitle him to his degree will be allowed to take additional junior-senior courses until such time as he meets the requirement of the rule.

(3) Transfers with advanced standing will come under this rule only for those courses pursued at this Institution.

A student to be ranked as a Sophomore must have passed seven courses; to be ranked as a Junior, fifteen courses; to be ranked as a Senior, twenty-six courses.

Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: A Freshman must pass at least two courses in the first two quarters, and at least five courses in the first three quarters. After the freshman year (three quarters) a student must pass at least one course each quarter, four courses in two successive quarters,* and seven courses in three successive quarters.* Deficiencies may be made up by correspondence work or in summer school, in which case only credits exceeding one course credit so obtained shall count for readmission. In three quarters, therefore, a freshman must pass at least five courses, or six if he is making up a shortage by correspondence work or in summer school; and one above freshman year similarly must pass at least seven courses, or eight if he is making good a deficiency by correspondence work or in summer school.

No student who fails to qualify under the above regulations may be readmitted to *any division* of the University except by a special vote of the Faculty or a delegated committee of the Faculty. This delegated committee of the faculty will meet at 9:00 a.m. on the *last* Saturday in July, at 9:00 a.m. on the second day *before* the stated registration day at the opening of each quarter, and at 9:00 a.m. on the second day *after* the stated registration day at the opening of each quarter to consider written petitions of students who have definite and convincing reasons on which to base a request that the rule be waived. All petitions, except those of students in Law, Medicine, and Pharmacy, should be sent to the Dean of the College of Liberal Arts *in writing* and, to be considered, must be in

*By "two successive quarters" the last two quarters of residence are meant, and by "three successive quarters" the last three quarters of residence are meant.

his hands *before* the stated meetings in that quarter in which the student seeks readmission.

WITHDRAWALS

Formal withdrawal, which is a prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean.

If a student withdraws after the mid-term and has been reported as below passing (either W or X) in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

GRADUATION

Each Senior will be officially informed by his Dean in September of all deficiencies standing against him.

The number of orations in the contest for the Mangum Medal is limited to four. The candidates must be Seniors in the College, the School of Applied Science, the School of Engineering, the School of Education, or the School of Commerce, and must announce their subjects to their respective Deans by February 1. The orations shall be delivered in private near May 1 before a committee of the Faculty, who shall decide upon the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

FRATERNITIES

GENERAL REGULATIONS. Students may join fraternities after registration at the opening of any quarter or term provided they are eligible under the special regulations of the Faculty. Pledging of a student to join a fraternity is not allowed until he has been in the University a specified length of time as follows: If he matriculates for the first time in the University in the Summer School or in the fall quarter, he may not be pledged until the pledge date in October; if in the winter quarter, until a similar date in February; if in the spring quarter, until a similar date in April. No student may be pledged during the Summer School, but, if a student remains in the Summer School for the full twelve weeks, it may be counted for him as a regular quarter towards meeting the requirements as to residence. A student entering the University with advanced standing, whether he enters an academic or a professional school, may not be pledged until four weeks after the date of his matricula-

tion in this institution; but in no case may a student be pledged during the Summer School.

TRANSCRIPTS OF RECORD

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification, and scholarship. In particular, no partial or incomplete scholastic record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

Transcripts of record, except the first which is furnished without cost, will be made upon payment of one dollar ($1.00) for each copy desired.

ATHLETICS

Organization

The Athletic Council, consisting of three members of the faculty appointed by the President of the University, three Alumni elected by the General Alumni Association, three undergraduate students one of whom is the President of the student body, one the President of the athletic association, and one elected by the Undergraduate Monogram Club, the Director of Athletics, and the Graduate Manager, has direct control of all matters pertaining to athletics. The faculty members of the Council constitute the committee on eligibility and their decisions are final subject to review by the general faculty only. The faculty members in conference with the President of the University have full veto power over all acts of the Council.

The University of North Carolina is a member of the Southern Conference. Therefore all participants in intercollegiate athletics must qualify under the following rules of that body.

Rules of Eligibility of the Southern Conference

The following rules apply to all sports:

Rule 1.—*Bona Fide Students.* No one shall participate in any intercollegiate contest unless he is a *bona fide* matriculated student, having presented at least fifteen Carnegie units, regularly enrolled and doing full work as defined by the regulations of the institution in which he is enrolled; provided that no student shall be eligible for varsity competition unless on first entrance he presents fifteen Carnegie units by certificate or examination, and provided further that no work done after such entrance shall remove such ineligibility.

A student in special agricultural or other special courses who does not present the full entrance credits is not eligible under this rule.

Rule 2.—No person shall participate in intercollegiate varsity athletics at a member institution until after the expiration of twelve months from the date of his matriculation there, and until he shall have completed the scholastic requirements of that institution so that he has qualified for the next higher class.

Rule 3.—*Attendance.*

(a) No student having been a member of any athletic team of his college during any year and having been in attendance less than one-half of the college year shall be permitted to participate in any intercollegiate contest thereafter until he shall have been in attendance one-half of his next college year.

Note.—Attendance during Summer Sessions is not counted as "attendance" for the purpose of this rule.

(b) A student, who withdraws from a member institution at any time during the year and reënters at a corresponding time in a later year, retains his eligibility for the remainder of that year as though he had not withdrawn.

Note.—Nothing in this regulation is to abrogate Rule 5 below.

Rule 4.—*Migrant Students.*

(a) No person who has participated in any intercollegiate contest or freshman contest† in any branch of sport as a member of the team of any other college* shall be permitted to participate in any intercollegiate contest in the same branch of sport as a member of a team of any Institution in this Conference.

(b) Students who have pursued courses of study at one university or college* but who have not participated in any intercollegiate contest, shall be eligible to participate in intercollegiate athletics at another institution, but only when they have satisfied the conditions as set forth in Rule 2—the one-year residence rule.

† For the purpose of this rule an intercollegiate contest is a contest played by the varsity or freshman team. This rule does not affect the limit of participation as defined in Rule 5.

* *Definition of "College".* The word "college" as used in this code means any educational institution which offers a standard four-year course leading to a baccalaureate degree and which requires at least fifteen Carnegie units for entrance.

(c) Transfers from a junior college, normal school, or other institution not offering a standard four-year course may be allowed to continue their athletic careers at the institution to which they transfer provided they conform to the one-year-residence rule, except that graduates of junior colleges, which are members of the Association of Colleges and Secondary Schools of the Southern States, shall be eligible to participation in intercollegiate varsity athletics on Conference Teams in their first year of residence in a member institution; but the time of their participation shall be limited to two years over a period of two years, counting from the time of first matriculation in the member institution. Non-graduates of such junior colleges shall not be eligible until they have been in residence at the member institution for one full year; and the time of their participation shall be limited to two years over a period of three years, counting from the time of first matriculation in the member institution.

(d) A student in the preparatory department of a college who plays on the freshman or varsity team of that college, if he transfers to a Conference institution, shall be regarded as a migrant student.

Rule 5.—*Limit of Participation.* Participation in intercollegiate athletics shall be limited to four years (one year freshman and three years varsity), within a five-year period counting from the time of first matriculation. Every student shall be allowed three years of varsity participation in each sport, provided such participation falls within the five-year period herein defined.

Rule 6.—*Compensation.*

(a) No person who receives any compensation from his institution for services rendered by way of regular instruction shall be allowed to participate in intercollegiate contests.

(b) No person shall be allowed to participate in any intercollegiate contest who receives any gift, remuneration, or pay for his services on a college team.

(c) No person shall be permitted to participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic or gymnasium skill for gain.

Note.—This rule does not apply to any person who has done work in connection with a playground or a summer camp where the requirements do not call for a man with techincal preparation in physical training.

(d) The following persons shall be ineligible to compete on any team in this Conference:

(1) Those who hold any scholarship, fellowship, or cadetship involving financial benefit which is awarded wholly or in part for athletic ability.

(2) Those who enjoy any loan fund or similar financial benefit which is awarded wholly or in part for athletic ability.

(3) Those who hold any position involving financial benefit which is awarded wholly or in part for athletic ability.

(e) Any college athlete who signs a contract or enters into an agreement, explicit or implicit, with a professional team shall not be eligible for intercollegiate athletics.

Rule 7.—*Summer Baseball.* No athlete in any Conference Institution shall participate as a member of any summer baseball team without the consent of his Faculty Committee on Athletics; and such a player when given permission to play on such team shall submit at the reopening of the school term to his Faculty Committee a certified statement that he has not received pecuniary compensation therefor.

Rule 8.—No student shall be eligible to participate in intercollegiate contests if he has played on any summer baseball team which played more than three games a week while he was a member of it. A student who plays baseball on a team which plays three games a week shall not be allowed to play on any other team during the same week.

This rule applies to regularly matriculated college students and not to students who played summer baseball before entering college.

No student who has played on a baseball team recognized by the National Baseball Commission shall be eligible for intercollegiate athletics.

To the list of professional teams thus proscribed shall be added all league teams in any State which the Conference institutions of such State declare professional and from which they debar their own players. In the event that said Conference institutions cannot agree on proscribed teams, the executive committee shall have the power to decide the issue and their action shall be final.

Rule 9.—*Assumed Name.* No person shall take part in any intercollegiate contest under an assumed name.

Rule 10.—*Delinquency in Studies.* No student who is found delinquent in his studies by the faculty shall be permitted to participate in any intercollegiate contest. To be eligible to participate in any branch of sport a student must have secured credit as follows: (a) on at least three-fourths of the regular work of the preceding year in the curriculum in which he was registered; (b) on at least three-fifths of the regular work of the preceding quarter, term, or semester in the curriculum in which he was registered.

Rule 11.—*Outside Participation.* No college player is permitted to play on an athletic team other than that of his own college during the college year.

Rule 12.—*Freshman Teams.*

Freshman teams shall be composed of members of the freshman class only, who shall not compete as such for more than one year, and who shall be eligible under the general rules, with the exception

of the one-year rule. For the purpose of this rule a Freshman is a student who enters the Institution from a High School or a Preparatory School.

Special Rules of the University of North Carolina

In addition to the rules of the Southern Conference the following local rules apply to all students participating in intercollegiate athletics:

1. No student will be allowed to take part in athletic contests entailing absence from the University whose parents (or guardians) object to such participation.
2. No student may be a candidate for the baseball team unless he has been in attendance during the preceding winter quarter without the express permission of the Faculty Committee on Athletics.
3. Inasmuch as a member of an athletic team of this University enjoys special honor in thus representing the University, this privilege shall be withheld from any student whose scholastic standing is discreditable. Any student reported as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any intercollegiate contest until the deficiency is made good.
4. No team will be allowed to be absent from the University for more than ten lecture days during any quarter.
5. No person may take part in preliminary football training before the opening of the fall quarter unless he be eligible to enter the University at the time of such training.
6. The manager of each athletic team shall submit to the Faculty Committee on Athletics a schedule of all engagements before positive arrangements are made.
7. No student shall play upon any athletic team except after physical examination by the University Physician.
8. Before any student can become a member or a substitute member of any athletic team of the University and take part in any intercollegiate contest he must make application to the Faculty Committee on Athletics and secure the endorsed approval of that committee on his application. It shall be the duty of the Faculty Committee on Athletics to have the Registrar of the University indorse such application to the effect that the applicant is a registered student of the University and has completed the scholastic requirements.
9. It is the duty of the Faculty Committee on Athletics to inquire into the athletic record of the applicant and it shall be the duty of the applicant to appear before the committee and answer on his honor such questions as the committee may see fit to ask.
10. It is the duty of the Faculty Committee on Athletics to require a pledge in writing of the applicant, certifying on his honor that he has never accepted, directly or indirectly, remuneration, compensatory gift, valuable consideration, or promise thereof for his athletic services. The applicant must satisfy the committee

that he is in the proper and strict sense of the word an amateur before the committee indorses his application.

11. It is the duty of the graduate manager, the members of the coaching staff, the president and the treasurer of the Athletic Association, the members of the Athletic Council, the director of the gymnasium, and the captain of the team concerned to furnish the Faculty Committee on Athletics, on request, a statement to the effect that each member of an athletic team is above their suspicion as to his eligibility to represent the University as an amateur before such player shall be allowed to take part in any contest.

REGULATIONS GOVERNING DRAMATIC, MUSICAL, DEBATING, AND SIMILAR ORGANIZATIONS

1. No student will be allowed to take part in dramatic, musical, debating, oratorical, or similar events entailing absence from the University whose parents (or guardian) object to such participation.

2. Any student who was in attendance at the University during a previous quarter must have passed, during his last quarter of attendance, satisfactory examinations upon at least two full courses or their equivalent, before he will be allowed to represent the University in any dramatic, musical, debating, oratorical, or similar event of a public nature.

3. No student reported during the course of any quarter as deficient in two full courses or their equivalent may publicly represent the University in any dramatic, musical, debating, oratorical, or similar event until such deficiency is made good. For the purpose of administering this ruling, the Director of the organization concerned shall present to the Registrar at least four weeks before the given event a list of students proposed for participation in that event; the Registrar shall report to the Director of that organization at least three weeks before the event the names of ineligible students on such list, and after that date no student not so reported shall be declared ineligible.

4. No team or club will be allowed to be absent from the University more than ten lecture days during any quarter.

5. No student having membership in more than one of these organizations, or in one of these and one athletic organization will be allowed to be absent from the University more than ten lecture days during any quarter.

STUDENT ENTERTAINMENT COURSE

By vote of the student body in the College of Liberal Arts, the School of Education, and the School of Commerce, a fee of $1.00 a quarter is charged against each student in these three schools for the support of the Student Entertainment Course. Students in other schools may take advantage of the entertainment course at the rate of $3.50 for the year. The administration of the resulting fund is in charge of a special committee consisting of four students from the three schools and three faculty members.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council.

THE STUDENT COUNCIL, 1931-1932

MAYNE ALBRIGHT, Chairman *ex officio*
W. C. MEDFORD, Vice-president
HAYWOOD WEEKS, Secretary

B. HARPER BARNES
C. R. RHODES
CURTIS HUNSUCKER
N. A. TOWNSEND, JR.
E. B. FERGUSON
PAUL BOUCHER

The Student Council is composed of eight members, as follows: Representatives of the three upper academic classes, one representative from each of the professional schools, one representative elected by the other seven members of the Council, and the President of the Student Body. The member elected by the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor system. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the head of the honor system. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating, and gambling.

PUBLIC LECTURES

THE JOHN CALVIN McNAIR LECTURES

HENRY HORACE WILLIAMS, *Chairman*

The lecture fund established by the will of John Calvin McNair, of the class of 1849, became available in 1906, and the interest therefrom rendered it possible to begin the lectures in 1908. The honorarium for the lectures amounts to $500 and the remainder of the interest from the fund provides for the suitable publication of the lectures. Under the will the objects of the lectures "shall be to show the mutual bearing of science and religion upon each other and to prove the existence of attributes (as far as may be) of God from nature."

The lectures for 1930-1931 were delivered by Dr. Harris E. Kirk of Baltimore, Md.

THE WEIL LECTURES

HOWARD WASHINGTON ODUM, *Chairman*

During the years 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-President William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations, and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

The series for 1930-1931 was delivered by Professor Harold J. Laski of the London school of Economics. His general subject was: The Expert in Modern Democracy.

UNIVERSITY ORGANIZATIONS

THE SENATE OF THE DIALECTIC LITERARY SOCIETY AND THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as in training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

ELISHA MITCHELL SCIENTIFIC SOCIETY

Charles Staples Mangum, M.D., *President.*
James Munsie Bell, Ph.D., *Permanent Secretary.*
Ralph Walton Bost, Ph.D., *Recording Secretary and Treasurer.*

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal*, which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The object of the society is to encourage scientific research and to record results of such work, especially those that pertain to the natural history of the State. It is now in its forty-eighth year. The volumes already issued contain more than six thousand pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousands of books and pamphlets have been collected, all of which are arranged in the University Library. The membership is at present restricted to the faculty and students of the University, and members of the staff of the State Department of Conservation and Development.

THE PHILOLOGICAL CLUB

Urban Tigner Holmes, Jr., Ph.D., *President*
Harry Kitsun Russell, A.M., *Secretary*

The Philological Club meets in the lounge of the Graduate Club on the first Tuesday evening of each month during the college year. Its membership consists of the faculty and advanced students in the language and literature departments of the University. The object of the club is to stimulate original investigation in language and literature and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed.

DER DEUTSCHE VEREIN

MENO SPANN, Ph.D., *Director and Faculty Adviser.*

The Verein was established for the purpose of maintaining and stimulating among the officers and students of the University interest in German literature and music, life and customs, progress and achievements. The aim is to employ the German language as much as possible. The effort is make to provide students of German with an opportunity to perfect their pronunciation and to improve their control of the spoken language.

LE CERCLE FRANCAIS

W. LEON WILEY, Ph.D., *Adviser.*

Le Cercle Francais holds bi-monthly meetings at which topics of general interest pertaining to French literature and French life, manners, and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, and to provide its members with an opportunity to hear idiomatic French spoken and to use the language with more facility. All officers and students of the University interested in the study of French are eligible for membership.

EL CLUB ESPAÑOL

JASPER CALVIN JOHNSON, *Secretary-Treasurer.*

The membership of *El Club Español* consists of students of the University who have shown distinction in courses in Spanish. The object of the club is to stimulate interest in the language, literature, and customs of Spain, and to give its members an opportunity to hear and speak Spanish.

THE NORTH CAROLINA CLUB

SAMUEL HUNTINGTON HOBBS, JR., Ph.D., *Secretary.*

The North Carolina Club was organized September 25, 1914, for the purpose of providing an open forum to review, interpret, and discuss the economic, social, and civic problems of the State. It is an organization composed of students and faculty members who are bent upon accurate, intimate acquaintance with North Carolina. The Club meets for an hour upon fortnightly Monday evenings for the reading and discussion of a paper prepared by a member. Graduate and undergraduate college credit is given for creditable work provided the student registers in advance for Club credit. The studies of the North Carolina Club are given to the public in its annual Yearbook.

AMERICAN SOCIETY OF CIVIL ENGINEERS
The William Cain Student Chapter

JOHN ANDREWS, *President.*

The purposes of the Chapter are to afford the student in Civil Engineering practice in the preparation and presentation of engineering papers, to give a working knowledge of parliamentary law, to develop the ability to speak extemporaneously, and to provide a contact between students, faculty, and visiting engineers.

Membership is open to all students of the Division of Civil Engineering.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
The University of North Carolina Branch

DOC JONES THURSTON, *President.*

The aim of the Branch is to stimulate interest in modern problems in the various fields of electrical engineering, to provide a means for students to discuss in public various questions of a technical nature, and to give them an opportunity for practice in thinking on their feet.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
The University of North Carolina Branch

ERNEST LEELAND MIDGETT, *President.*

The object of the Branch is to assist the student, while receiving training in preparation to practice the profession of mechanical engineering, to gain a proper perspective of engineering work by enabling him to become acquainted with the personnel and problems of those actively engaged in this profession.

MUSIC CLUBS AND CALENDAR

HAROLD SHELTON DYER, A.B., M.Mus., *Director.*
THOMAS SMITH MCCORKLE, B.Mus., *Assistant Director.*

Chosen by competitive try-outs, the members of the Glee Club make a thorough study of the choral literature of the European and American schools.

The Symphony Orchestra, numbering upwards of seventy pieces, provides training and experience in the field of symphonic ensemble. At least one concert tour each year is made, and a series of concerts played on the campus.

During the football season the Band of eighty men appears at all home games and the major games away from home. The Concert Band of fifty men is chosen for the winter quarter concerts early in January.

A union of the musical forces of the faculty, students, and citizens of the community creates the Oratorio Society which, under the direction of the head of the Department of Music, performs choral works of major character

The Hill Music Auditorium, seating eight hundred people, with its magnificent four-manual concert organ, acoustically perfect, is the home of recitals and concerts by faculty members, students in the department of music, and visiting artists and organizations. The Vesper Organ Series, given by Professor Nelson O. Kennedy, head of the department of organ, presents on the second Sunday afternoons of each month throughout the school year a program representing musical literature from European and American composers. A series of recitals given by the faculty of the department of music occurs as announced throughout the year. The University Glee Club renders a public concert without admission charge during each quarter of the year.

Both juniors and seniors in the department of music present student recitals during the spring quarter.

Phi Mu Alpha Sinfonia, the honorary musical fraternity of the University, sponsors each year at least one major musical event.

THE CAROLINA PLAYMAKERS

Frederick Henry Koch, A.M., *Director.*
Samuel Selden, A.B., *Associate and Technical Director.*
Harry Ellerbe Davis, A.B., *Assistant Director and Business Manager.*

The Carolina Playmakers is the University dramatic organization. Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre for the development of plays truly representative of the traditions and present-day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities." It is incorporated under the laws of the State of North Carolina as a non-stock corporation.

The Carolina Folk-Plays and other plays of American locale are written and produced in the University courses in Dramatic Composition and Production, members of the community of Chapel Hill —students, faculty, and townspeople—assisting. Those who contribute to the writing or producing of the plays constitute the memmership of the organization. Any student may participate in any of the various departments of the work.

The Playmakers now have their own theatre building on the campus, fully equipped for all manner of experimentation and production. Besides this, their Forest Theatre furnishes an ideal setting for out-of-door productions. They have an adequate work-

shop for the construction and painting of scenery and for the making of costumes.

YOUNG MEN'S CHRISTIAN ASSOCIATION

F. M. JAMES, *President.*
JOHN T. MANNING, *Recording Secretary.*

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine, and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service.

The Association has very greatly enlarged its program and staff in the past five years, keeping step with progress in all other departments of the University, and with the increase in student enrollment.

PART THREE

In this section are listed and described all courses offered in the regular sessions of the University except those in the professional schools of Law, Medicine, Pharmacy, and Library Science. For courses in these schools see PART FIVE.

NOTES ON THE METHOD OF NUMBERING AND COUNTING COURSES

A *course* meets five or six times a week; a *half-course* meets three times a week. Two hours of laboratory or field work count as one meeting. All work is credited toward degrees either as whole or as half courses in accordance with the principles stated above.

In the event that required freshmen subjects are taken after a student begins his seventh quarter or required sophomore subjects after he begins his tenth quarter, such subjects carry half credit only. This rule applies to the class registered as freshmen in the year 1925-1926 and to all later registrants.

Courses with a double number are completed in two quarters, and in general credit will not be given until both quarters have been completed; for example, Economics 31-32. Certain of these courses meet only three times a week and together count as one course. Courses which meet five or six times a week for two quarters carry a credit of two courses.

Courses with three numbers require three quarters to complete, and in general credit will not be given for the work of one or two quarters only. Those meeting five times a week carry a credit of three courses. Those meeting only three times a week carry a credit of one and a half courses.

Courses numbered from 1 to 10 are for freshmen only, from 11 to 20 are ordinarily for freshmen and sophomores, from 21 to 40 for sophomores, from 41 to 50 for sophomores (but open to juniors or seniors), from 51 to 100 for juniors and seniors, from 101 to 200 for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses. Undergraduates may not take courses numbered above 200 except by special permission of the instructor in the course and the head of the department. Courses numbered from 1 to 100 carry no credit towards any advanced degree.

DEPARTMENT OF BOTANY

Professors COKER, TOTTEN; Associate Professor COUCH; Teaching fellow MATTHEWS; Assistants Misses HOLLAND, HENRY, Messrs. WEBB, RAPER, DEANS

Courses for Undergraduates

1. GENERAL BOTANY. Freshman elective. Credit: 1 course.

An introduction to the structure and classification of plants. Lectures with laboratory and field work. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, $4.00.* Professors Coker, Totten, Couch; Messrs. Mathews, Webb, Raper, Deans, Misses Holland, Henry.

(Botany s1, offered in the Summer Session, is open to Freshmen, Sophomores, Juniors, and Seniors.)

21 (11). GENERAL BOTANY FOR PHARMACY STUDENTS. Sophomore requirement in the School of Pharmacy. Credit: 1 course.

A course designed for pharmacy students and is not open to those credited with Botany 1 or s1 or 41. (Not offered in 1932-1933. In 1931-1932 offered as a Freshman requirement under the number Botany 11). *Four lecture and four laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00.* Professor Totten; Mr. Webb.

22 (12). PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. Sophomore requirement in the School of Pharmacy. Prerequisite Botany 21, 1, or s1. Credit: 1 course.

A study of Drug plants; the structure of their parts and contents; the localization and identification of crystals, starches, mucilages, gums, oils, resins, glucosides, alkaloids, etc.; macroscopical and microscopical study and identification of crude drugs and their adulterants and some study and identification of their powders. (Not offered in 1932-1933. In 1931-1932 offered as a Freshman requirement under the number Botany 12). *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten; Messrs. Webb, Raper.

41. GENERAL BOTANY. Credit: 1 course.

This course is designed for more advanced students than is Botany 1 and is not open to those credited with Botany 1. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, $4.00.* Professors Coker, Totten, Couch; Messrs. Mathews, Webb, Raper, Deans, Misses Holland, Henry.

43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Prerequisite General Botany. Credit: 1 course.

A continuation of general botany, with more advanced work in the structure and classification of seed plants. Special attention is given to the study of the local flora, and of the introduced ornamental plants found in the Arboretum, with some work in the propagation of cultivated plants. *Three lecture and six laboratory or field trip hours a week, spring quarter. Laboratory fee, $4.00.* Professor Totten.

(This course is given in the Summer Session as s43 by Professors Totten, Couch, and Mr. Mathews.)

44. SUMMER FIELD COURSE IN BOTANY. Prerequisite, one college course in botany or biology. Credit: 1 course.

A study and identification of seed plants and the effects of various climatic conditions, soils, and barriers upon plant species and plant evolution. (Not offered in 1932). *Daily lectures and field work* in an eight weeks' transcontinental study tour conducted by the University Extension Division. Professor Totten.

52. ADVANCED PHARMACOGNOSY. Senior requirement in the School of Pharmacy for students in groups B and C. Prerequisites Botany 21 (or equivalent) and Botany 22. Credit: ½ course.

Advanced work in the study of drug plants; their cultivation, collection, curing, preparation for study; the evaluation of crude plant and animal drugs; with most emphasis upon the study and identification of powdered drugs and their adulterants. (Not offered in 1932-1933). *One lecture and four laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten.

Courses for Graduates and Advanced Undergraduates

103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. Prerequisite, General Botany. Credit: 1 course.

A study of the morphology and classification of the Algae. Lectures, reports, laboratory and field work. The subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition. *Two lecture or report and six laboratory or field work hours a week, spring quarter. Laboratory fee, $4.00.* Professor Couch.

(This course is given in the Summer Session as s103 by Professors Totten and Couch.)

111, 112, 113, s114. STRUCTURE AND DEVELOPMENT OF THE FUNGI. Prerequisite, General Botany. Credit: 1 course each quarter.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Lectures, reports, laboratory and field work. *Two lecture or report and six laboratory or field trip hours a week, fall, winter, and spring quarters, and in the Summer Session. Laboratory fee, $4.00 a quarter.* Professors Coker, Couch.

122. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. Prerequisite, General Botany. Credit: 1 course.

Two lecture or report and six laboratory or field trip hours a week, winter quarter. Laboratory fee, $4.00. Professors Coker, Couch.

133. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE MOSSES. Prerequisite, General Botany. Credit: 1 course.

Two lecture or report and six laboratory or field trip hours a week, spring quarter. Laboratory fee, $4.00. Professors Coker, Couch.

141. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE FERNS. Prerequisite, General Botany. Credit: 1 course.

Two lecture or report and six laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00. Professor Coker; Miss Holland.

151, 153, s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Prerequisite, General Botany and Botany 43 or Botany s43. Credit: 1 course each quarter.

For each of these courses the student is required to collect, prepare herbarium specimens, and classify two plants each from twenty families of seed plants, with notes on the families and sketches to show the principal characters of one plant in each of these families. *One conference a week with the instructor, fall, spring, and the second term of the Summer Session. Laboratory fee, $4.00.* Professor Totten.

162 (8). STUDIES IN THE HISTORY OF BOTANY. Prerequisite, two courses in botany. Credit: ½ course.

Readings and reports. This course may continue for more than one year as the subject advances, credit being given for each repetition. *Three hours a week, winter quarter.* Professor Coker.

Courses Primarily for Graduates

211, 212, 213, s214. ADVANCED WORK IN THE HISTOLOGY, MORPHOLOGY, AND PHYSIOLOGY OF THE FUNGI. Credit: 1 course each quarter.

The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the

same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the first term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professors Coker, Couch.

251, 252, 253, s254. MORPHOLOGY OF SEED PLANTS. Credit: 1 course each quarter.

Advanced work in the embryology and anatomy of seed plants. The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the second term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professors Coker, Totten.

301, 302, 303. GRADUATE RESEARCH. Credit: 1 course each quarter.

Original work with thesis under the guidance of the instructor. These courses may cover most of the work of the student for several years, credit being given each quarter in accordance with the work done. *Laboratory fee, $4.00 a quarter.* Professor Coker.

DEPARTMENT OF CHEMISTRY

Professors BELL, WHEELER, CAMERON, DOBBINS; Associate Professors EDMISTER, CROCKFORD, WHITE; Assistant Professor BOST; Teaching fellows ALEXANDER, DOUGLAS, THOMAS; Assistants BELCHER, BRAWLEY, CONN, CONSTABLE, COSBY, EARLY, HARRILL, HENRY, KING, LECONTE, SUMERFORD, TURNER

Courses for Undergraduates

1-2. GENERAL DESCRIPTIVE CHEMISTRY. Credit: 2 courses.

An introduction to the study of the principal non-metallic and metallic elements and their compounds. Lectures with laboratory work. *Four lecture and four laboratory hours a week, each course every quarter. Laboratory fee, $5.50 a quarter.* Professors Bell, Wheeler, Cameron, Edmister; Messrs. Belcher, Conn, Cosby, Early, Harrill, LeConte, Sumerford.

6. GENERAL CHEMISTRY. Credit: 1 course.

Continuation of Chemistry 1-2 for S.B. Chemistry students only, with readings from selected German texts. *Five hours a week, spring quarter.* Professor Edmister.

31. QUALITATIVE ANALYSIS. Prerequisite, Chemistry 1-2. Credit: 1 course.

Laboratory work and lectures. *Three lecture and six laboratory hours a week, fall or spring quarter. Laboratory fee, $10.00.* Professor Dobbins; Messrs. Brawley, Douglas, Turner.

41. ELEMENTARY QUANTITATIVE ANALYSIS. Prerequisite, Chemistry 31. Credit: 1 course.

Gravimetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Dobbins; Messrs. Constable, Henry.

42. ELEMENTARY QUANTITATIVE ANALYSIS. Prerequisite, Chemistry 31. Credit: 1 course.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00.* Professor Dobbins; Messrs. Constable, Henry.

43. CHEMICAL EQUATIONS. Prerequisite, Chemistry 41, 42. Credit: 1 course.

A detailed study of the reactions of the elements and their compounds. Lectures and textbooks. *Five hours a week, spring quarter.* Professor Dobbins.

51. INORGANIC CHEMISTRY. Prerequisite, Chemistry 1-2. Credit: 1 course.

A detailed study of inorganic chemistry. Required of S.B. Chemistry students. Elective for students in A.B., A.B. in Education, or S.B. Chemical Engineering courses. *Five lectures a week, fall quarter.* Professor Cameron; Mr. Alexander.

61. ORGANIC CHEMISTRY. Aliphatic Series. Prerequisite, Chemistry 31. Credit: 1 course.

Three lecture and six laboratory hours a week, fall or winter quarter. Laboratory fee, $10.00 a quarter. Professors Wheeler, Bost; Mr. King.

62. ORGANIC CHEMISTRY. Aromatic Series. Prerequisite, Chemistry 61. Credit: 1 course.

Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00 a quarter. Professors Wheeler, Bost; Mr. King.

66. ORGANIC CHEMISTRY. Prerequisite, Chemistry 61, 62. Credit: 1 course.

Selected reading in organic chemistry from German texts. For S.B. Chemistry students only. *Five hours a week, spring quarter.* Professor Wheeler.

71. CHEMISTRY OF FOODS. Prerequisite, Chemistry 61. Credit: 1 course.

Digestion processes, and the composition, preservation, adulteration, and industrial production of foods. *Five hours a week, spring quarter.* Professor Bost.

81, 82. ELEMENTARY PHYSICAL CHEMISTRY. Prerequisite, Chemistry 42. Credit: 1 course each quarter.

Study of the properties of solids, liquids, and gases, and of their relation to chemical constitution. *Four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $7.00 a quarter.* Professor Crockford; Mr. Thomas.

86. PHYSICAL CHEMISTRY. Prerequisite, Chemistry 81. Credit: 1 course.

Selected reading in physical chemistry from French texts. For S.B. Chemistry students only *Five hours a week, spring quarter.* Professor Bell.

91. TECHNICAL QUANTITATIVE ANALYSIS. Prerequisite, Chemistry, 41, 42. Credit: 1 course.

Water, coal, petroleum products, gas, iron, and steel. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professor White; Mr. Chrisco.

92. TECHNICAL QUANTITATIVE ANALYSIS. Prerequisite, Chemistry 41, 42. Credit: 1 course.

Ore assay, fertilizer, cotton products, and food analysis. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Crockford; Mr. Thomas.

93. OPTICAL METHODS OF ANALYSIS. Prerequisite, Chemistry 41. Credit: 1 course.

Microscopic and microchemical methods. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Not offered in 1932.

121-122-123. RESEARCH. Prerequisite, Chemistry 61, 62, 81, 82. Credit: 3 courses.

Twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter. Professors Bell, Wheeler, Cameron, Dobbins, Edmister, Crockford, White, Bost.

Courses for Graduates and Advanced Undergraduates

101. HISTORY OF CHEMISTRY. Prerequisite, Chemistry 61, 62, 81, 82. Credit: ½ course.

History of Chemistry, with discussion of the development of chemical theories. *Three hours a week, spring quarter.* Professor Cameron.

163. IDENTIFICATION OF PURE ORGANIC COMPOUNDS. Prerequisite, Chemistry 61, 62. Credit: 1 course.

Lectures and laboratory. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Bost.

164. CHEMISTRY OF DYESTUFFS. Prerequisite, Chemistry 61, 62. Credit: 1 course.

Lectures and laboratory. (1931-1932 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

165. ADVANCED TOPICS IN ORGANIC CHEMISTRY. Prerequisite, Chemistry 61, 62. Credit: 1 course.

Lectures and laboratory. (1932-1933 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

167, 168. ADVANCED ORGANIC PREPARATIONS. Prerequisite, Chemistry 61, 62. Credit: ½ course each quarter.

Laboratory course. *Six laboratory hours a week, any two quarters. Laboratory fee, $10.00 a quarter.* Professors Wheeler, Bost.

169. QUANTITATIVE ORGANIC ANALYSIS. Prerequisite, Chemistry 163. Credit: ½ course.

Quantitative determination of carbon, hydrogen, nitrogen, halogens, sulphur, and a few other elements by well established methods. *Six laboratory hours a week, winter or spring quarter. Laboratory fee, $7.00.* Professors Wheeler, Bost.

183. ADVANCED PHYSICAL CHEMISTRY. Prerequisite, Chemistry 81, 82. Credit: 1 course.

Lectures and textbooks. *Five hours a week, fall quarter.* Professor Crockford.

184. ELECTROCHEMISTRY. Prerequisite, Chemistry 81, 82. Credit: 1 course.

Lectures and textbooks. *Five hours a week, winter quarter.* Professor Crockford.

185. ELECTROCHEMISTRY. Prerequisite Chemistry 184. Credit: ½ course.

Laboratory course in Electrochemistry to follow the lecture course, Chemistry 184. *Six laboratory hours a week, spring quarter. Laboratory fee, $7.00.* Professor Crockford.

191, 192. CHEMICAL TECHNOLOGY. Prerequisite, Chemistry 61, 62, 91, 92. Credit: 1 course each quarter.

The methods and economics of the chemical industries; lectures and laboratory work. *Three lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $10.00 a quarter.* Professor Cameron; Mr. Alexander.

Courses in Chemical Engineering

91. INTRODUCTORY CHEMICAL ENGINEERING. Credit: 1 course.

A survey course covering materials used in the construction of chemical equipment, search of literature, elementary calculations, etc. In the laboratory the students assist the seniors in carrying out studies of the unit operations. *Three lecture and six laboratory hours a week, spring quarter.* Professor White.

94. METALLURGY AND METALLOGRAPHY. Credit: 1 course.

A study of the microscopic structure of ferrous and non-ferrous alloys and the effects of composition, heat treatment, and mechanical work upon these structures and the physical properties of these ferrous alloys. A portion of the course is devoted to laboratory study. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $7.00.* Professor White.

191. CHEMICAL ENGINEERING LABORATORY. Prerequisite, Chemical Engineering 194, 195, 196. Credit: 1 course.

Efficiency studies on chemical equipment, plant erection studies, and unit process work in the laboratory. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor White.

194, 195, 196. PRINCIPLES OF CHEMICAL ENGINEERING. Prerequisite, Ch. E. 91. Credit: 1½ courses.

A study of the unit operations of chemical engineering, covering fluid flow, heat flow, filtration, evaporation, distillation, etc. *Three hours a week, fall, winter, and spring quarters* Professor White.

197. CHEMICAL ENGINEERING CALCULATIONS. Credit: 1 course.

A study of material and heat balances in industrial processes. *Five hours a week, fall quarter.* Professor White.

Courses Primarily for Graduates

241, 242, 243. ADVANCED ANALYTICAL CHEMISTRY. Prerequisite, Chemistry 41, 42. Credit: 1½ courses.

Seminar course: readings and discussions of recent advances in analytical chemistry. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor Dobbins

251, 252, 253. ADVANCED INORGANIC CHEMISTRY. Prerequisite, Chemistry 43. Credit: 1½ courses.

Seminar course: readings, reports, and discussions of recent advances in inorganic chemistry. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor Edmister.

261, 262, 263. ADVANCED ORGANIC CHEMISTRY. Prerequisite, Chemistry 163, 164. Credit: 1½ courses.

Seminar course: readings and discussions of special chapters in organic chemistry. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professors Wheeler, Bost.

281, 282, 283. ADVANCED PHYSICAL CHEMISTRY. Prerequisite, Chemistry 183, 184. Credit: 1½ courses.

Seminar course: readings and discussions of recent advances in thermodynamics. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor Bell.

284, 285, 286. ADVANCED PHYSICAL CHEMISTRY. Prerequisite, Chemistry 183, 184. Credit: 1½ courses.

Seminar course: readings and discussions of recent advances in electro-chemistry. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor Crockford.

287, 288, 289. ADVANCED PHYSICAL CHEMISTRY. Prerequisite, Chemistry 183, 184. Credit: 1½ courses.

Seminar course: readings and discussions of recent advances in heterogeneous equilibria, phase rule, film and colloid phenomena. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor Cameron.

291, 292, 293. ADVANCED INDUSTRIAL CHEMISTRY. Prerequisite, Chemistry 191, 192. Credit: 1½ courses.

Seminar course: readings and discussions of recent advances in industrial chemistry. *One lecture and four library hours a week, fall, winter, and spring quarters.* Professor White.

341-342-343. RESEARCH IN ANALYTICAL CHEMISTRY. Credit: 3 courses.

This course is intended for applicants for advanced degrees. Laboratory work with frequent conferences with the professor and reference to the literature relating to the subject of research. The subject of research must be assigned or approved by the professor. This course extends throughout the year. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Dobbins.

351-352-353. RESEARCH IN INORGANIC CHEMISTRY. Credit: 3 courses.

The statements made in regard to courses 341-342-343 apply also to these courses. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Edmister.

361-362-363. RESEARCH IN ORGANIC CHEMISTRY. Credit: 3 courses.

The statements made in regard to courses 341-342-343 apply also to these courses. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professors Wheeler, Bost.

381-382-383. RESEARCH IN PHYSICAL CHEMISTRY. Credit: 3 courses.

The statements made in regard to courses 341-342-343 apply also to these courses. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professors Bell, Cameron, Crockford.

391-392-393. RESEARCH IN INDUSTRIAL CHEMISTRY. Credit: 3 courses.

The statements made in regard to courses 341-342-343 apply also to these courses. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor White.

DEPARTMENT OF CLASSICAL LANGUAGES AND LITERATURES

Professors HOWE, BERNARD, HARRER, HARLAND; Associate Professor SANDERS; Instructor ELLIOTT; Teaching Fellow HOGAN

GREEK

Courses for Undergraduates

1-2. GREEK FOR BEGINNERS. Credit: 2 units or 2 courses.

A double course for students who have had no opportunity to study Greek. This double course may be counted for credit toward the A.B. degree provided it is followed by Greek 13, 14, 21. It may be counted for credit as an elective by students who have selected for their language requirement two other foreign languages. *Five hours a week, fall and winter, or winter and spring quarters.* Professor Bernard; Mr. Elliott.

13. INTERMEDIATE GREEK: HOMER. Prerequisite, Greek 1-2 or equivalent. Credit: 1 course.

Homer's Iliad, selections. *Five hours a week, fall quarter.* Professors Bernard, Harland.

14. INTERMEDIATE GREEK: GREEK PROSE. Prerequisite, Greek 13. Credit: 1 course.

A course continuing the purpose of Greek 1-2, to increase the student's proficiency in reading the language while at the same time leading him into the best literature. *Five hours a week, winter quarter.* Professors Bernard, Harland.

21. PLATO. Prerequisite, Greek 13, 14. Credit: 1 course.

Apology and Crito with selections from the other Socratic dialogues. The course is designed for a more critical study of Greek prose and the thought movements which culminated in the Socratic teaching. *Five hours a week, spring quarter.* Professor Bernard.

53. INTRODUCTION TO GREEK DRAMA. Prerequisite, Greek 13, 14. Credit: 1 course.

One tragedy and one comedy will be studied. This course may be substituted, with the approval of the Professor of Greek, for the third course above 1-2 of the foreign language requirements. *Five hours a week, one quarter, on application.* Professor Bernard or Professor Harland.

58. THE GREEK NEW TESTAMENT. Prerequisite, Greek 13, 14. Credit: 1 course.

St. Mark's Gospel, with selections from other parts of the New Testament. This course is designed for students who wish a more intimate knowledge of the Bible in its original language and especially for divinity and Y. M. C. A. students. With the approval of the Professor of Greek it may be substituted for the third course above 1-2 of the foreign language requirement. *Five hours a week, one quarter, on application.* Professor Bernard.

71. GREEK HISTORY. Prerequisite, Greek 13, 14, 21 or equivalent. Credit: 1 course.

Selections from the Greek Historians, chiefly Herodotus, will be read and reports will be made on related topics in Greek History. *Five hours a week, fall quarter, on application.* Professor Harland.

81. THE GREEK ORATORS. Credit: 1 course.

Select orations from Lysias and Demosthenes. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Bernard or Professor Harland.

Courses for Graduates and Advanced Undergraduates

112. HOMER: ADVANCED COURSE. Prerequisite, Greek 13. Credit: 1 course.

Rapid reading of the entire Odyssey with Homeric Study. *Five hours a week, one quarter, on application.* Professor Harland or Professor Bernard.

153-154. GREEK DRAMA: ADVANCED COURSE. Prerequisite, Greek 53. Credit: 2 courses.

An extended reading and study of the Greek drama, with lectures on the origin, history, and structure of the drama. *Five hours a week, two quarters, on application.* Professor Bernard.

158. THE GREEK NEW TESTAMENT. Prerequisite, Greek 58. Credit: 1 course.

The Acts of the Apostles: study of grammar and diction and comparison with English version; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions. *Five hours a week, one quarter, on application.* Professor Bernard.

171. GREEK HISTORY. Prerequisite, Greek 71. Credit: 1 course.

Selections from Thucydides will be read and the history of Athens and Sparta will be reviewed with a view to explaining the underlying causes of the Peloponnesian War. *Five hours a week, winter quarter, on application.* Professor Harland.

Courses Primarily for Graduates

201-202-203. SYNTAX OF THE GREEK LANGUAGE FROM HOMER TO THE NEW TESTAMENT. Credit: 3 courses.

Facility in reading the literature in the Greek dialects, Ionic, Attic, the κοίνη, and German is requisite. *Five hours a week, three quarters, on application.* Professor Bernard.

301-302-303. GREEK SEMINAR. Credit: 3 courses.

This course is devoted to the study in detail of particular authors or periods in Greek literature, the subject matter varying from year to year. It calls for wide reading in the Greek authors selected and in the critical literature concerning them, with oral and written reports. Lectures and conferences. Professors Bernard, Harland, Sanders.

(For additional courses see under Courses Requiring no Knowledge of the Greek or the Latin Languages, pages 89-90, and under General and Comparative Literature, pages 114-116. Attention is called also to courses in Comparative Philology offered by the Department of German. See page 121.)

LATIN

Courses for Undergraduates

1. SELECTIONS FROM CICERO'S ORATIONS. Credit: 1 course.

Review of grammatical principles, vocabulary, prepared and sight translation. This course is designed for those students who present two units only in Latin for entrance, and will count for credit provided it is followed by courses 2 and 11. *Five hours a week, every quarter.* Professor Sanders (Chairman).

2. SELECTIONS FROM VERGIL'S ÆNEID. Prerequisite, Latin 1 or the equivalent. Credit: 1 course.

A continuation of Latin 1: translation, hexameter, content of the Æneid, epic form. Students who present three units only in Latin for entrance begin with this course, and may count it for credit provided it is followed by Latin 11. *Five hours a week, every quarter.* Professor Howe (Chairman).

11. LATIN POETRY. Prerequisite, Latin 1-2 or the equivalent. Credit: 1 course.

This course comprises the reading of selections from the leading poets of the Classical Period. Emphasis is put on content and literary form. Students who present 4 units of Latin for entrance begin with this course and may count it for credit provided it is followed by Latin 12. *Five hours a week, every quarter.* Professor Harrer (Chairman).

12. LATIN PROSE. Prerequisite, Latin 1, 2, 11 or the equivalent. Credit: 1 course.

The course is concerned with the translating of selections from the works of Roman historians, biographers, and essayists; but emphasis is placed on the literary values also of the works read, and on the political and social conditions of the periods. *Five hours a week, every quarter.* Professor Harrer (Chairman).

22. ROMAN LAW. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

The course is a Sophomore option of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

The course deals with the general principles and the historical development of Roman law. The work consists of the translation of selected passages in the legal literature, readings, and lectures. *Five hours a week, winter quarter.* Professor Harrer.

51. ROMAN SATIRE. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

Readings from Horace, Petronius, Persius, Juvenal; occasional lectures. This course alternates with course 52. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Sanders.

52. CICERO'S LETTERS. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

The reading of selected letters and discussions of the history and politics of the time. This course alternates with course 51. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Sanders.

71. COURSE FOR TEACHERS. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

The course is concerned with pronunciation, forms, syntax, prosody, the art of translating, methods of instruction. *Five hours a week, fall quarter.* Professor Howe.

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LITERATURE. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

A study of the structure, purposes, and methods of the most significant works. Translation and reading in English from the literature, reports, lectures. The course alternates with course 102. *Five hours a week, fall quarter.* Professor Harrer.

102. ROMAN DRAMATIC LITERATURE. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

A study of the development of Latin comedy and tragedy. Reading of selected plays. The course alternates with course 101. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Harrer.

103. PROSE WRITINGS OF THE REPUBLIC. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

An account of the development of prose literature from Cato to Cicero, with special studies of certain types and readings from the chief works. *Five hours a week, winter quarter.* Professor Sanders.

104. CICERO: POLITICAL CAREER AND WORKS. Prerequisite, Latin 1, 2, 11. Credit: 1 course.

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of orations, will be read. *Five hours a week, spring quarter.* Professor Harrer.

110. MEDIÆVAL LATIN. Prerequisite, Latin 1, 2, 11 or the equivalent. Credit: 1 course.

The course is principally concerned with translating from the Latin works of leading authors of the Middle Ages, and with some study of the chief differences between Classical and Mediæval Latin. *Five hours a week, winter quarter.* Professor Harrer.

Courses Primarily for Graduates

201. PROBLEMS OF RESEARCH. Credit: 1 course.

The purpose of this course is to acquaint the student with the general field of classical studies and with the opportunities and methods of research. Typical problems will be reviewed, the nature and value of evidence discussed, and papers on assigned topics prepared. *Five hours a week, fall quarter.* Professor Howe or Professor Harrer.

202. LATIN EPIGRAPHY. Credit: 1 course.

The aim of the course is to acquire facility in the deciphering and translating of inscriptions, and to study in detail a selection of significant inscriptions and their values in the field of Roman studies. *Five hours a week, fall quarter.* Professor Harrer.

203. LATIN PALEOGRAPHY. Credit: 1 course.

The aim of the course is a study of the more important scripts, practice in decipherment, and the methods of textual criticism. *Five hours a week, one quarter, on application.* Professor Harrer.

301, 302, 303. LATIN SEMINAR. Credit: 1 course each quarter.

The course in each quarter is devoted to the study in detail of a particular author or period in Roman literature, the choice of subject being determined, as far as possible, by the needs of the group. Typical subjects of recent years have been: Catullus, Lucretius, Cicero, Vergil, Horace, The Elegists, Tacitus, Post-Augustan Prose, Post-Augustan Poetry, etc. *Five hours a week, fall, winter, and spring quarters.* Professors Howe and Harrer.

310. THESIS COURSE. Credit: 1 course.

This course is conducted by conferences as arranged with individual students. *Every quarter.* Professors Howe and Harrer.

(For additional courses see below under Courses Requiring no Knowledge of the Greek or the Latin Language and Courses in General and Comparative Literature, pages 89-90, 114-116. Attention is called also to courses in Comparative Philology offered by the Department of German. See page 121.

Courses Requiring no Knowledge of the Greek or the Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They

may be taken also to satisfy the requirement of a minor in literature. (See also under General and Comparative Literature, pages 114-116.)

61. GREEK LITERATURE. Credit: 1 course.

A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought. *Five hours a week, fall quarter.* Professor Bernard.

62. LATIN LITERATURE. Credit: 1 course.

A study of the masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought. *Five hours a week, winter quarter.* Professor Howe.

71. GREEK LIFE. Credit: 1 course.

The course will be practically a survey of Hellenic civilization. The house, dress, education, social life, mythology, religion, theatre, games, etc., will be studied, especial attention being given to life in Athens in the Fifth Century B.C. Illustrated lectures, discussions, and required readings. *Five hours a week, on application.* Professor Harland.

76. ROMAN CIVILIZATION. Credit: 1 course.

The course deals with the public institutions, the political and social conditions, and the private life of the Romans, their buildings, living conditions, amusements, manners and customs, and religion. *Five hours a week, spring quarter.* Professor Harrer.

91, 92. GENERAL ARCHÆOLOGY. Credit: 1 course each quarter.

An introductory course in which the art and architecture of Egypt, Mesopotamia, Greece, and Rome will be studied. Illustrated lectures on the monuments will be supplemented by lectures on the history and civilization of the various peoples. Discussions and required reading. *Five hours a week, fall and winter quarters.* Professor Harland.

93. GREEK ARCHÆOLOGY. Credit: 1 course.

This course will deal with the architecture, sculpture, painting, and vases of Greece. The historical development of the art of Greece will be studied, and Greek art will be presented as one phase of the civilization of the ancient Hellenes. *Five hours a week, spring quarter.* Professor Harland.

111. THE LATIN EPIC. Credit: 1 course.

The history of the Latin Epic; detailed study of the *Æneid. Five hours a week, spring quarter.* Professor Howe.

112. THE POETRY OF OVID. Credit: 1 course.

The reading in English of the complete works of Ovid; special critical studies in the *Metamorphoses.* The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

113. THE GREEK EPIC. Credit: 1 course.

Epic as a literary form; the Iliad and Odyssey; origins, the Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, winter quarter.* Professor Bernard.

155. GREEK DRAMATIC LITERATURE. Credit: 1 course.

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, winter quarter.* (Given in alternate years; not given in 1932-1933.) Professor Bernard.

197. GREEK AND ROMAN ART. Credit: 1 course.

A course which aims to set forth the universal æsthetic principles as illustrated in the masterpieces of Greek and Roman art, with discussions of the æsthetic theories of the classical writers. *Five hours a week, one quarter, on application.* Professor Bernard.

DEPARTMENT OF ECONOMICS AND COMMERCE

Professors CARROLL, MURCHISON, PEACOCK, ZIMMERMAN, HOBBS, WOOSLEY; Associate Professors *TAYLOR, SCHWENNING, LEAR, SPRUILL, HEER, HEATH, WOLF; Acting-Associate Professor HINMON; Assistant Professors FERGER, *EVANS, SHERRILL; Instructors WINSLOW, ANDERSON; Teaching Fellows AKERS, DONOVAN; Assistants ARNOLD, BARNES, FELTON, MORRISON, SHAPIRO

ECONOMICS

Courses for Undergraduates

11. RESOURCES AND INDUSTRIES. Prerequisite (in case of Commerce students), Geology 5. Credit: 1 course.

This course occupies a middle ground between geography and economics. Important data of human economic geography are appraised as to their meaning to the economist. The emphasis in resource analysis, therefore, s on the supply and demand conditions which have a measurable effect on price behavior. The close relationship between geographical facts and institutional developments is taken into consideration. The approach is functional rather than descriptive. Attention is focused on wide vistas and deep perspectives rather than on details of technology. In general, an effort is made to place the discussion on a broad basis of human values and world relationships. *Four lecture and two laboratory hours a week, every quarter. Laboratory fee, $3.50.* Professor Zimmerman

31-32. GENERAL ECONOMICS. Not open to Freshmen. Credit: 2 courses.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption; of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and economic reform. *Five hours a week, fall and winter or winter and spring quarters.* Professors Carroll, Woosley, Spruill, Lear, Wolf, Ferger, Hinman; Messrs. Winslow, Anderson.

35. ECONOMIC HISTORY. Not open to Freshmen. Credit: 1 course.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States. *Five hours a week, fall, winter, or spring quarter.* Professor Spruill.

71. ECONOMIC STATISTICS. Credit: 1 course.

This course is designed to give a critical understanding of the more important processes of elementary statistical technique used by economists and business men, and found in current discussions of economic matters. Among the topics included are graphic presentation, averages, index numbers, the cyclical analysis of time series, and simple correlation. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $2.00.* Professor Ferger.

81-82. PRINCIPLES OF MONEY AND BANKING. Prerequisite, Economics 31-32. Credit: 2 courses.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems. The second half of the course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States.

* Absent on leave, 1931-1932.

Five hours a week, fall and winter or winter and spring quarters. Professors Murchison, Woosley.

Courses for Graduates and Advanced Undergraduates

111. ADVANCED COMMODITY ECONOMICS. Prerequisite, Economics 11, 31-32. Credit: 1 course.

In this course the demand and supply conditions of a few commodities selected to represent types are studied. The institutional factors affecting these conditions are critically examined with particular reference to price behavior. (Alternates with Commerce 145 and will be given in 1932-1933.) *Five hours a week, spring quarter.* Professor Zimmerman.

121. RISK AND RISK-BEARING. Prerequisite, Economics 31-32. Credit: 1 course.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance. *Five hours a week, fall quarter.* Professor Lear.

124. PRINCIPLES OF MARKETING. Prerequisite, Economics 31-32. Credit: 1 course.

This course sets forth the principles underlying general marketing practice. The assignments relate to marketing facilities and services (such as transportation, warehousing, grading, financing, assembling, and distributing), marketing agencies and organizations, organized exchanges and future trading, and certain problems of competition and price policy. *Five hours a week, winter quarter.* Professor Hinman.

141. PUBLIC FINANCE. Prerequisite, Economics 31-32. Credit: 1 course.

A general study of government business covering the principles involved in public revenues and expenditures—local, state, and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems. *Five hours a week, fall quarter.* Professor Heer.

142. PROBLEMS IN PUBLIC FINANCE. Prerequisite, Economics 141. Credit: 1 course.

An advanced critical study of certain present problems in government finance. *Five hours a week, winter quarter.* Professor Heer.

144. THEORIES AND FORMS OF BUSINESS ENTERPRISE. Prerequisite, Economics 31-32. Credit. 1 course.

This course deals primarily with the combination movement. But it will treat this problem in its widest aspects: the historical background and the evolution of modern business forms, the theory of business enterprise, the structures and functions of organization, the relation of these questions to social welfare. Pools, trade associations, mergers, trusts, bankers' control, price control, are some of the principal questions which will be considered. *Five hours a week, winter quarter.* Professor Heath.

151. TRANSPORTATION. Prerequisite, Economics 31-32. Credit: 1 course.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways. *Five hours a week, fall quarter.* Professor Heath.

161. THEORY OF INTERNATIONAL TRADE. Prerequisite, Economics 31-32. Credit: 1 course.

I this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign

markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade. Following this the payment balances of this country and of other leading countries engaged in world commerce are critically studied. Finally, the most important theories of international trade are reviewed in the light of historical development. *Five hours a week, fall quarter.* Professor Zimmerman.

165. COMMERCIAL POLICY OF MODERN NATIONS. Prerequisite, Economics 161. Credit: 1 course.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. The following countries are included: United States, Great Britain, France, Germany, Russia, Italy, Canada, Argentina, and India. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised. (Alternates with Commerce 169; will not be given 1932-1933.) *Five hours a week, winter quarter.* Professor Zimmerman.

171. ADVANCED ECONOMIC STATISTICS. Prerequisite, Economics 71 or its equivalent. Credit: 1 course.

This course is designed to give the student the ability to use some of the more exact and more technical tools of statistical method than can be considered in the elementary course, such as curvilinear trends for time series, changing seasonal variation, and multiple correlation. Acquaintance with practical work and the current literature in statistics is sought through required reading and class reports on recent statistical studies. *Three lecture and four laboratory hours a week, spring quarter.* Professor Ferger.

182. TYPES OF BANKING. Prerequisite, Economics 81-82. Credit: 1 course.

A comparative study of specialized types of banking institutions—their organization, methods, functions, and relationship to the financial organization of society in general. The course will include trust companies, investment banks, commercial paper houses, commercial discount companies, savings banks, and the various classes of agricultural credit banks. (Alternates with Commerce 182 and will not be given in 1932-1933.) *Five hours a week, spring quarter.* Professor Murchison.

185. BUSINESS CYCLES. Prerequisite, Economics 31-32 and 81. Credit: 1 course.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production. *Five hours a week, winter or spring quarter.* Professor Murchison.

191. AN INTRODUCTION TO THE LABOR PROBLEM. Prerequisite, Economics 31-32. Credit: 1 course.

To the extent that the competitive wage system fails (a) to provide for the laborer an adequate basis for a decent living and (b) to draw from him the services he ought to render to industry, there appears to be a "labor problem." The purpose of this course is to make an analytic survey of the modern labor problem in its major aspects, such as unemployment, low wages, industrial accidents and diseases, overstrain and superannuation, and the status of the worker in industrial society. Trade unionism and the labor movement and intervention by the State in behalf of the worker, and social methods of coping with the problems of labor are also surveyed. *Five hours a week, fall or winter quarter.* Professor Wolf.

192. LABOR AND SOCIAL CONTROL. Prerequisite, Economics 191. Credit: 1 course.

An advanced course in social methods of coping with labor problems. These fall roughly into three classes (a) self-help on the part of the workers, which embraces trade unionism, labor political activity, and consumers' coöperation;

(b) employers' policies, such as welfare work and paternalism, profit-sharing, and company unionism; and (c) intervention by public authority, as through labor legislation, conciliation and arbitration, and judicial limitation of private property rights. In so far as possible the various topics will be studied in terms of the Southern labor situation. *Five hours a week, spring quarter.* Professor Wolf.

195. THEORIES OF ECONOMIC REFORM. Prerequisite, Economics 31-32. Credit: 1 course.

A critical analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Industrial Democracy *Five hours a week, fall or spring quarter.* Professor Carroll.

197. GOVERNMENT AND BUSINESS. Prerequisite, Economics 31-32. Credit: 1 course.

A study of the evolution of governmental policy towards business, with a critical examination of current governmental regulation and supervision of industry and trade. Some attention is given to the services which modern governments undertake to render to the business life of their citizens and the agencies developed for this purpose. *Five hours a week, spring quarter.* Professor Hobbs.

Courses for Graduates

251-252-253. ADVANCED ECONOMIC THEORY. Prerequisite, Economics 31-32. Credit: 3 courses.

A survey of economic theory from the standpoint of the evolution of modern industrial society. The three courses will not only include a review of the works of the leading economic writers, but will also summarize the principal physical, psychic, and social factors that have shaped economic theory and economic institutions. *Five hours a week, fall, winter and spring quarters.* Professor Heath.

271. ECONOMIC STATISTICS. Introductory Course for Graduate Students. Prerequisite, the completion of an economics major, or the equivalent of our S.B. in Commerce. Credit: 1 course.

This course covers the same material as Economics 71, with the addition of a limited number of additional assignments covering certain phases more carefully and fully. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $2.00.* Professor Ferger.

301abc. SEMINAR IN ECONOMICS. Prerequisites, Economics 31-32, 81-82. Credit: 1 course with thesis.

A general introduction to methods of advanced study. Some phase of economic activity in harmony with the interests of the members of the seminar is selected for consideration. Methods of work and content receive equal emphasis. *Two hours a week, fall, winter, and spring quarters.* Professor Murchison (Chairman).

341. RESEARCH COURSE IN PUBLIC FINANCE. Credit: 1 course or more depending on work done.

The changing form and distribution of wealth and income together with the expanding conceptions of governmental services make imperative a constant reexamination of fiscal problems. The scope of operations and the magnitude of revenues and expenditures emphasize the importance of administrative efficiency. Critical studies in this field are carried on under the supervision of the professor in charge. *Fall, winter, and spring quarters.* Professor Heer.

NOTE. Registration for this course must be approved by the professor in charge.

361. INTERNATIONAL ECONOMIC RELATIONS. Credit: 1 course or more depending on work done.

An increasing share of the economic life of mankind is being lifted out of the sphere of local and national activities, and is being subjected to world-wide influences. This tendency affects not only those business interests of ours

directly engaged in foreign trade, but in general reacts upon our political position as a world-power, and materially influences our domestic and economic life.

The aim of this course is to provide graduate students interested in world economics the opportunity of pursuing advanced research along such lines as these: the movement of world prices; international commodity price control; the world food problem; the population question; advancing industrialization and future supply of raw materials; problems of international law affecting economic activities; foreign investments; commercial treaties; colonial policy, etc. *Hours arranged, fall, winter, and spring quarters.* Professor Zimmerman.

NOTE. Registration for this course must be approved by the professor in charge.

385. ECONOMIC DYNAMICS. Credit: 1 course or more depending on work done.

This course focuses upon the changing nature of the modern economic organization. An effort is made to identify the more important of the dynamic elements, and to evaluate the significance of each in the general process of change. Attention is given to the readjustment processes and problems of particular industries, as well as to general trade, finance, and social well-being. Topics covered would include consumption behavior, income distribution, capital accumulation, money and credit conditions, new developments in marketing, production, transportation. The method of study will be inductive. *Hours arranged, fall, winter, and spring quarters.* Professor Murchison.

NOTE. Registration for this course must be approved by the professor in charge.

391. HUMAN RELATIONS IN INDUSTRY. Credit: 1 course or more depending on work done.

This course is a seminar in selected topics in labor economics and aims to provide a limited number of graduate students an opportunity of doing critical and constructive work in this field. In view of the fact that there are grave problems connected with the adjustment of the workers to the new industrial and social order that is being developed in the South Atlantic States, a part of the time is usually devoted to this topic. *Fall, winter, or spring quarter, hours arranged.* Professor Wolf.

NOTE. Registration for this course must be approved by the professor in charge.

399. SEMINAR. Credit: 1 course.

Individual research in a special field under direction of a member of the department.

COMMERCE

*(Courses in Commerce count for credit toward the degree S.B. in Commerce only.)

Courses for Undergraduates

51. BUSINESS ORGANIZATION. Prerequisite, Economics 31-32. Credit: 1 course.

The forms of business organization with emphasis on the corporation. The external relations of a business organization and the internal coördination of the factors in production with a view to the establishment of effective control and definite responsibility for results. Special attention will be directed to the various functions to be performed, such as production, finance, personnel, marketing, risk-taking, and records and standards. *Five hours a week, fall or spring quarter.* Professor Schwenning.

51E-52E-53E. BUSINESS ADMINISTRATION FOR STUDENTS IN ENGINEERING. Open to students in the School of Engineering only. Prerequisite, Economics 31-32. Credit: 1½ courses.

* Commerce 51E-52E-53E are offered for students in the School of Engineering only and are open to no others.

Commerce 71P is offered for students in the School of Pharmacy only and is open to no others.

The elements of business organization with emphasis on the corporation, its nature, its promotion, its financing, and its operation. Internal organization with special reference to methods of control, managerial accounting, cost analysis, financing of current operations, valuation and methods of appraisal, depreciation, sinking funds, and the interpretation of financial statements. The economics of locating and managing industrial plants, the handling of the labor factor through specialized personnel administration, and the relations existing between consumers and producers. *Three hours a week, fall, winter, and spring quarters.* Professor Schwenning.

61. SALESMANSHIP AND PURCHASING. Prerequisite or corequisite, Economics 31-32. Credit: 1 course.

The course in salesmanship will include a careful analysis of the psychology of selling; the qualifications of a good salesman, and their development; the relative value of suggestion, persuasion, and argument in securing decision; the scientific analysis of a sale—the preapproach, the approach, the demonstration, and the consummation. Typical problems in selling at retail and wholesale and in marketing various types of specialties are presented.

The latter half of the quarter will be devoted to a study of purchasing. The material will be presented in the form of problems which representative business concerns have actually faced. The topics thus treated will include the organization of a Purchasing Department, the duties of a Purchasing Agent, considerations involved in the purchase of raw material, buying from hand to mouth, hedging, turn over, the question of whether or not speculation in raw materials is justifiable, the legal side of contracts, the ethics of purchasing, the problem of cancellations, over-handing, and the relation between the purchasing policy, the turnover, and profits. *Five hours a week, winter quarter. Laboratory fee, $1.00.* Professor Hinman.

71. ACCOUNTING: PRINCIPLES. Prerequisite or corequisite, Economics 31-32, Commerce 51. Credit: 1 course.

Lectures with laboratory work. Study of the theory of debit and credit, record making, organization of accounts, and presentation of financial and profit and loss statements. Laboratory exercises in accounting problems and technique. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, $3.00.* Professors Peacock, Sherrill.

71P. ACCOUNTING PRINCIPLES FOR STUDENTS IN THE SCHOOL OF PHARMACY. Open to students in the School of Pharmacy only. Prerequisite, Economics 31-32. Credit: 1 course.

A study of the fundamentals of double entry bookkeeping, covering the theory of debit and credit, closing the books, and construction of financial statements Emphasis will be on systems suitable for drug stores. *Four lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.00.*

72. ACCOUNTING PRINCIPLES. Prerequisite, Commerce 71. Credit: 1 course.

Lectures with laboratory work. An approach to accounting problems from the business manager's point of view. It consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements. The principles of valuation of assets, depreciation, and bonds are also covered. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, $3.00.* Professors Peacock, Sherrill.

91-92. BUSINESS LAW. Prerequisite, Economics 31-32. Credit: 2 courses.

The aim of the course is to give the student an understanding of the main principles of law which govern in the daily conduct of business. The topics discussed are: contracts, agencies, negotiable instruments, sales, bailments, corporations, partnerships, and bankruptcy. *Five hours a week, fall and winter quarters.* Professor Hobbs.

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE. Prerequisite, Economics 31-32. Credit: 1 course.

A study of the principles and technique of life insurance, including disability, accident, and group insurance. Some attention will also be given to the investment operations of insurance companies. *Five hours a week, winter quarter.* Professor Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE. Prerequisite, Economics 31-32. Credit: 1 course.

In this course, an effort is made to consider as far as possible the wide range which the insurance function covers and the probable trend of its future development. The topics noted in the title of the course are studied and as many others as time will permit. *Five hours a week, spring quarter.* Professor Lear.

141. TRAFFIC PROBLEMS. Prerequisite, Economics 151. Credit: ½ course.

A study of current technical problems in the field of transportation and traffic management. (This course will be given only in case as many as five students register for it.) *Three hours a week, winter quarter.* Professor Heath.

145. OCEAN SHIPPING. Prerequisite, Economics 31-32. Credit: ½ course.

A study of the elements of water transportation, trade routes, ports and terminal facilities, vessel types, ship operation and management, ocean freight service and rates, marine insurance. The problem of our merchant marine and national policies affecting it are also discussed. (Alternates with Economics 111 and will be given in 1931-1932.) *Three hours a week, spring quarter.* Professor Zimmerman.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT. Prerequisite, Economics 31-32, Commerce 51. Credit: 1 course.

This course covers the problems involved in the construction, equipment, and administration of a manufacturing enterprise. The unit of study is the factory. The subject matter is treated under four heads: the underlying principles of production, the agencies of production, the control of production operations, and the establishment of production standards. *Five hours a week, winter quarter.* Professor Schwenning.

154. INDUSTRIAL MANAGEMENT: THEORIES AND PRACTICES. Prerequisite, Economics 31-32, Commerce 51. Open only to selected seniors and graduate students. Credit: ½ course.

A critical examination of the economic, social, and ethical aspects of modern business administration. Current theories of organization and management will be taken up and subjected to careful scientific analysis. Practices will be compared with theories. An attempt will be made to formulate the underlying principles upon which the administration of modern industrial enterprise rests. *Three hours a week winter quarter.* Professor Schwenning.

155. PERSONNEL MANAGEMENT. Prerequisite, Economics 31-32, Commerce 51. Credit: 1 course.

A scientific study of the methods of hiring and handling personnel in the various lines of industry. The supply, selection, training, promotion, transfer, and discharge of employees; the computation and significance of labor turnover; housing, educational, and recreational facilities; the functions of a personnel department with reference to efficiency, and the maintenance of good will between employees and employers. *Five hours a week, spring quarter.* Professor Schwenning.

157. TIME AND MOTION STUDY. Prerequisite, Economics 31-32; Commerce 51-151, or Commerce 51-52-53E. Open only to seniors and graduate students. Credit: ½ course.

A presentation of the elements of time and motion study as a phase of scientific management and as a device used by modern industrial establishments to

measure the productive capacity of workers on specific jobs and to set production standards. The course will include a discussion of the following: fundamentals and development of time and motion study; equipment and qualifications of a time study man; collection and tabulation of data; organization of the time study department, etc. Students will be given practice in making time studies and in applying the results. (Alternates with Commerce 154.) *Three hours a week, winter quarter.* Professor Schwenning.

161. ADVERTISING. Prerequisite or corequisite, Economics 31-32. Credit: 1 course.

The course consists of a study of the psychological basis of advertising, the types of advertising and their adaptation to the various lines of business, the relative value of the various advertising media, the mechanism of an advertisement, and methods of testing effectiveness. Attention is also given to the work of planning and executing an advertising campaign and checking up the results. Practical problems are a part of the course. *Five hours a week, fall or spring quarter. Laboratory fee, $1.00.* Professor Hinman.

163. RESEARCH COURSE IN SALES RELATIONS. Prerequisite, Commerce 61 or 161. Credit: 1 course.

Critical studies in selected phases of the selling process; laboratory and seminar methods. The particular problems considered will depend on the interests of the class. *Five hours a week, spring quarter.* Professor Hinman.

165. RETAIL MERCHANDISING. Prerequisite, Economics 31-32. Credit: 1 course.

The retailer is the last step in the system of merchandise distribution. His problems are many and because of his position in the field of business a study of his organization, functions, and methods is important. The preparation and maintenance of stock records, the organization and management of sales forces, and the determination and execution of credit and price policies are subjects which are taken up and discussed. Problems form an important part of this course. *Five hours a week, winter quarter.* Professor Hinman.

169. FOREIGN TRADE PRACTICE. Prerequisite, or corequisite, Economics 124. Credit: 1 course.

This course treats of foreign trade as a business profession and serves to prepare for entrance into the field; emphasis throughout is on practical problems.

Part I. The organization of Foreign Trade: export departments; middlemen and their functions; coöperation.

Part II. Methods: direct versus indirect exporting; export campaigns; sales policies.

Part III. Foreign Market Analysis.

Part IV. Paper work and technical procedure in exporting and importing, including foreign trade financing. (Alternates with Economics 165, will be given 1932-1933.) *Five hours a week, winter quarter.* Professor Zimmerman.

171. ADVANCED ACCOUNTING. Prerequisite, Commerce 71-72. Credit: 1 course.

Lectures with laboratory work. Study of accounting problems and forms for special types of business concerns. Accounting for the organization and liquidation of co-partnerships and corporations, for combinations and consolidations, for trustees and receiverships, branch houses, municipalities, and foreign exchange. *Five hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

172. ACCOUNTING PRACTICE. Prerequisite, Commerce 71 and prerequisite or corequisite, Commerce 72. Credit: 1 course.

A laboratory course. Bookkeeping systems and records for the various industries prevalent in North Carolina are studied and practice sets for each are prepared. A tentative list will include tobacco manufacturing, furniture manufacturing, cotton goods manufacturing, automobile sale agencies and garages, banks in small cities, and municipalities. *Six hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

173. COST ACCOUNTING. Prerequisite, Commerce 71-72. Credit: 1 course.

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise. *Five hours a week, fall quarter. Laboratory fee, $3.00.* Professor Peacock.

175. AUDITING. Prerequisite, Commerce 71-72. Credit: 1 course.

Lectures and problems. Kinds of audits, system of accounts, methods of conducting audits, and problems in auditing. *Five hours a week, winter quarter. Laboratory fee, $3.00.* Professor Peacock.

177. INCOME TAX PROCEDURE. Prerequisite, Commerce 71-72. Credit: 1 course.

This course consists of a thorough study of both the Federal and State income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund will be undertaken as laboratory exercises. *Five hours a week, winter quarter. Laboratory fee, $2.00.* Professor Sherrill.

178. C. P. A. PROBLEMS. Prerequisite, Commerce 71-72. Credit: ½ course.

This course deals with the questions and problems given by the different states and the American Institute in their C.P.A. examinations. Typical problems are solved, and solutions prepared by leading accountants of the country are studied. (This course will be given only in case as many as five students register for it.) *Three hours a week, spring quarter.* Professor Peacock.

179. GOVERNMENTAL ACCOUNTING. Prerequisite, Commerce 71-72. Credit: 1 course.

Lectures and laboratory work. A study of Budgeting Accounting and its application to the various governmental units; the differences between Fund Accounting and Commercial Accounting; methods of collecting data recorded in books of original entry; and the preparation of Financial Statements. A survey will be made of systems for educational institutions, and for state, county, and city governments. Laboratory work will consist of practical problems. Field trips will be taken in order to study the system used by the State of North Carolina, the system prepared by the County Government Advisory Commission for counties, and other available systems. *Five hours a week, spring quarter. Laboratory fee, $2.50.* Professor Sherrill.

181. BANKING PRACTICE AND FOREIGN EXCHANGE. Prerequisite, Economics 81-82. Credit: 1 course.

Organization and management of a commercial bank. Duties and responsibilities of different departments. Bank accounting. Handling of credit instruments, checks, drafts, acceptances, bills of exchange. Critical examination of present methods and standards. The course will also include a study of international banking operations; the credit instruments used in financing trade between nations; the forces determining rates of exchange. (Alternates with Economics 182 and will be given in 1932-1933.) *Five hours a week, spring quarter.* Professor Murchison.

191. CORPORATION FINANCE. Prerequisite, Economics 31-32, Commerce 51 and 71. Credit: 1 course.

A study of the principles and practice of corporate financing. Among the topics considered are: the methods of raising permanent capital, problems of current financing, the treatment of earnings, and financial problems incident to expansion and reorganization. Specific problems and reports are employed to illustrate and emphasize the principles involved. *Five hours a week, winter quarter.* Professor Woosley.

195. INVESTMENTS. Prerequisite, Economics 31-32, Commerce 71-72, 191. Credit: 1 course.

This course is essentially a laboratory study of corporate securities from the standpoint of the investor. Primary emphasis is placed upon the development of technique and standards of investment analysis. *Five hours a week, spring quarter.* Professor Woosley.

Courses Primarily for Graduates

301abc. SEMINAR IN COMMERCE. Credit: 1 course with thesis.

A general introduction to methods of advanced study. Some phase of business activity in harmony with the interests of the members of the seminar is selected for consideration. Methods of work and content receive about equal emphasis. *Fall, winter, and spring quarters.* Professor Murchison (Chairman).

399. SEMINAR. Credit: 1 course as or more depending on work done.

Individual research in a special field under direction of a member of the department.

DEPARTMENT OF EDUCATION

Professors NOBLE, WALKER, †KNIGHT, ¶TRABUE, JORDAN, MOSHER, HOWARD, MCKEE; Associate Professors PRESTON, FARRAR, MUNCH, GIDUZ; Visiting Associate Professor HUGGINS; Assistant Professors GWYNN, KING, MARKS; Instructor HUNTER; Teaching Fellow WORKMAN; *In Extension*: Professors MCKEE, HOWARD; Associate Professor MORRISON; Assistant Professors BASON, ANGEL; Instructors MCINTOSH, JACKSON

Courses for Undergraduates

21. GENERAL INTRODUCTION TO THE STUDY OF EDUCATION. Credit: 1 course.

An orientation course in education designed to aid prospective teachers or laymen in obtaining a general understanding of the evolution, organization, purposes, procedures, and problems of American schools. A particular study is made of the educational situation in North Carolina. *Five hours a week, fall or spring quarter.* Professor Mosher.

31. AN INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. Required of all prospective high school teachers in the School of Education who do not elect Psychology 21-22. Credit: 1 course.

Education is viewed in this course as a series of changes in individual pupils. The elementary principles of educational psychology will be illustrated and studied briefly through assigned readings, experiments, and discussions. *Five hours a week, every quarter.* Professor Jordan.

51P‡. MATERIALS AND METHODS OF ELEMENTARY EDUCATION —READING AND STUDY HABITS FOR THE PRIMARY GRADES. Required of all prospective primary grade teachers in the School of Education. Credit: 1 course.

A study of the problems in beginning reading, including, a critical evaluation of the various methods of teaching reading and of developing effective study habits. *Five hours a week, fall quarter.* Professor Marks.

52G‡. MATERIALS AND METHODS OF ELEMENTARY EDUCATION —READING AND STUDY HABITS FOR THE GRAMMAR GRADES. Required of all prospective grammar grade teachers in the School of Education. Credit: 1 course.

† Absent on leave, winter and spring quarters, 1932.

¶ Absent on leave, spring quarter of 1931 and year of 1931-1932.

‡ NOTE: The letter "P" when used after the number of a course means that the course is intended for teachers of the primary grades, the letter "G," that the course is intended for teachers of the grammar grades, and the letter "X," that the course is intended for teachers of either the primary or the grammar grades.

The aim of this course is to become acquainted with the materials and methods of teaching reading as a means of extending the experiences of boys and girls, of stimulating good thinking, and of arousing interest in a wide variety of reading activities. *Five hours a week, fall quarter.* Professor Marks.

53X‡. MATERIALS AND METHODS OF ELEMENTARY EDUCATION: (a) THE SOCIAL SCIENCES; (b) THE NATURAL SCIENCES. Required of all prospective elementary grade teachers in the School of Education. Credit: 1 course.

The first half (Part a) is designed to give a thorough survey of recent experiments and special studies in subject matter and methods in geography, history, and citizenship. Suggestions will be given for utilizing daily activities to develop civic virtues. The second half (Part b) deals with natural science and health. The general principles controlling the selection of material and its organization for each grade will be presented. *Five hours a week, winter quarter.* Professor Marks.

54P.‡ MATERIALS AND METHODS OF ELEMENTARY EDUCATION: (a) ARITHMETIC AND NUMBER PROJECTS FOR THE PRIMARY GRADES; (b) LANGUAGE FOR THE PRIMARY GRADES. Credit: 1 course.

The first half (Part a) will emphasize the development of number concept in primary grades. The object of the second half (Part b) is to teach self-expression of oral and written language in life-like situations. *Five hours a week, spring quarter.* Professor Marks

55G‡. MATERIALS AND METHODS OF ELEMENTARY EDUCATION: (a) ARITHMETIC FOR THE GRAMMAR GRADES; (b) LANGUAGE AND COMPOSITION FOR THE GRAMMAR GRADES. Credit: 1 course.

The first half (Part a) will give a careful study of the investigations revealing the course of mathematical facts which are necessary for all people to acquire, also methods of teaching these facts thoroughly. The second half (Part b) aims to study means of speaking effectively and pleasingly. Written language, obtaining good form through genuine use, including composition, writing, and spelling. *Five hours a week, spring quarter.* Professor Marks.

56X‡. DIRECTED TEACHING IN THE ELEMENTARY SCHOOL. Credit: 1 course.

The purpose of this course is to provide actual practice in teaching in the elementary grades under supervision. It will include observation of teaching, study of the material taught, and preparation of lesson plans.

57X‡. DIRECTED TEACHING IN THE ELEMENTARY SCHOOL. (Continuation of 56X.) Credit: 1 course.

The purpose of this course is to provide actual practice in teaching in the elementary grades under supervision. It will include observation of teaching, study of the material taught, and preparation of lesson plans.

58X*. THE PROBLEM CHILD AND HIS ADJUSTMENT. Credit: 1 course.

71. EDUCATIONAL PSYCHOLOGY. Prerequisite, Education 31 or Psychology 21-22. Required of all prospective high school teachers in the School of Education. Credit: 1 course.

To consider critically such topics as the original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurement is the purpose of this course.

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‡ NOTE: The letter "P" when used after the number of a course means that the course is intended for teachers of the primary grades, the letter "G," that the course is intended for teachers of the grammar grades, and the letter "X," that the course is intended for teachers of either the primary or the grammar grades.

* Courses listed simply by title with descriptive details omitted are offered in the main in the Summer School or through the Extension Division. Occasionally, as demands require, some of these courses are given in residence in the regular college year.

Lectures, textbooks, laboratory. *Four lecture and two laboratory hours a week, every quarter.* Professor Jordan.

75. THE THEORY AND PRACTICE OF EDUCATION. Credit: 1 course.

A study of the theory and practice of education from the viewpoint of both the teacher and the citizen; the selection of the material of instruction; the development and arrangement of the curriculum for the grammar schools and the high schools. Lectures, textbooks, and assigned readings. *Five hours a week, winter quarter.* Professor Noble.

79. PROBLEMS IN MENTAL HYGIENE FOR TEACHERS. Credit: 1 course.

The following courses, 81-92, are open to students in the School of Education only.

81. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. Prerequisites to be determined by the instructor. Credit: 1 course.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age. Applicants should be thoroughly grounded in the fundamental principles of English grammar, should write and speak well, and should have more than average ability to appreciate literature. *Five hours a week, every quarter.* Professor Farrar.

82. DIRECTED TEACHING OF HIGH SCHOOL ENGLISH. Prerequisite, Education 81. Credit: 1 course.

The purpose of this course is to provide actual practice in teaching high school classes in English under supervision. It will include observation of teaching, study of the material taught, and preparation of lesson plans. *Five hours a week, every quarter.* Professor Farrar.

83. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. Prerequisites to be determined by the instructor. Credit: 1 course.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports on readings. Term paper. *Five hours a week, every quarter.* Professor Giduz.

84. DIRECTED TEACHING OF HIGH SCHOOL FRENCH. Prerequisites to be determined by the instructor. Credit: 1 course.

In this course the student carries out as far as possible the plan evolved in Education 83. From passive participation through a period of observation, the student gradually reaches the active stage of teaching. During the latter half of the term he has sole charge of the class, always of course, under the supervision of the instructor. Daily lesson plans; conferences for the discussion of each day's work. *Five hours a week, every quarter.* Professor Giduz.

85. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. Prerequisites to be determined by the instructor. Credit: 1 course.

This course is required of all students in the School of Education who are preparing to teach high school history and the other social studies. The aims functions, and objectives of the social studies will be carefully analyzed and the history of their place in the American secondary school examined. Such problems as planning and organizing the course, textbooks, and library equipment, maps, pictures, and other visual aids will be considered. Following these will be a discussion of the various methods problems such as the recitation, teaching pupils how to study, the lecture, textbook, topical problem and source methods, written work, and testing results. Textbooks, lectures, discussions, special investigations, and reports. *Five hours a week, every quarter.* Professor King.

86. DIRECTED TEACHING OF THE SOCIAL STUDIES. Prerequisites to be determined by the instructor. Credit: 1 course.

In this course the student will at first attend a high school class in history or community civics and observe the methods and technique of conducting the class. After he has observed and prepared the work of the class long enough to become familiar with its operation he will be required to work out a daily lesson plan for each class observed. When, in the judgment of the instructor, the student is sufficiently familiar with the correct methods of procedure, he will be permitted to conduct the class under the personal supervision of the instructor. After each class conducted by the student teacher his work will be discussed and criticised in conference with the supervisor. *Five hours a week, every quarter.* Professor King.

87. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL LATIN. Prerequisites to be determined by the instructor. Credit: 1 course.

This course is designed primarily for students majoring in Latin in the School of Education, and is required of all who plan to teach high school Latin, whether as a major or minor subject. The history of the teaching of Latin will be discussed along with modern tendencies of instruction in this field. A special study will be made of high school Latin texts, and reports and discussions will emphasize the various methods used in teaching them. Helpful bibliographies will be compiled and examined. *Five hours a week, every quarter.* Professor Gwynn.

88. DIRECTED TEACHING OF HIGH SCHOOL LATIN. Prerequisites to be determined by the instructor. Credit: 1 course.

The teaching of Latin in the practice school will be observed closely by students for a time; later the work of the classes observed will be fully discussed. After such intensive observation work, the students will be required to work out individual daily lesson plans for the classes observed. When the instructor believes that the students have had sufficient time to learn the correct method of procedure, he will turn over a class to each one of them to handle independently under his supervision. Critical reports and discussions of the class work of each student teacher will follow. *Five hours a week, every quarter.* Professor Gwynn.

89. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. Prerequisites to be determined by the instructor. Credit: 1 course.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics. Reading and reports on these units will be required. *Five hours a week, every quarter.* Professor Munch.

90. DIRECTED TEACHING OF HIGH SCHOOL MATHEMATICS. Prerequisites to be determined by the instructor. Credit: 1 course.

This course familiarizes the student with the actual classroom situation. It consists in the following steps: mastery of subject matter to be taught; preparation for teaching by observation, making lesson plans and conference with the instructor; actual teaching; and discussion with the instructor of techniques used and results obtained. Teaching by the student is the feature of the course. *Five hours a week, every quarter.* Professor Munch.

91. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. Prerequisites to be determined by the instructor. Credit: 1 course.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, instruction techniques, selection and use of equipment. As background, the development of secondary school science in response to changing economic, social, and educational conditions is briefly studied. Assigned readings introduce the important literature. *Five hours a week, every quarter.* Professor Preston.

92. DIRECTED TEACHING OF HIGH SCHOOL SCIENCE. Prerequisites to be determined by the instructor. Credit: 1 course.

The object of this course is to give the student familiarity with the science classroom and laboratory in operation. Entering first as an observer he will gradually be allowed to take over more and more of the work as he is considered qualified to do so. Conferences with the instructor will be an important part of this course. *Five hours a week, every quarter.* Professor Preston.

98. GENERAL METHODS IN SECONDARY EDUCATION. Required of all prospective high school teachers in the School of Education. Prerequisite, Education 71. Credit: 1 course.

The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted. The course includes a limited amount of observation in the training school. *Five hours a week, every quarter.* Professor Mosher.

99. PRINCIPLES OF SECONDARY EDUCATION. Required of all prospective high school teachers in the School of Education. Prerequisite, Education 71. Credit: 1 course.

A study of the American high school, its evolution, organization, administration, functions, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward teaching positions and principalships in secondary schools. Textbook, lectures, assigned readings, and reports. *Five hours a week, fall or winter quarter.* Professor Walker.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTORY COURSE IN SCHOOL ADMINISTRATION. Credit: 1 course.

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course. Textbooks, observations, and discussions. *Five hours a week, spring quarter.* Professor Howard.

102. THE ELEMENTARY SCHOOL PRINCIPAL AS ADMINISTRATOR. Credit: 1 course.

The personal qualifications, previous experience, duties, and opportunities of the school principal are studied during the early meetings of this course. The organization of the school program, of the instructional staff, and of the housekeeping staff are then considered in relation to their effects on pupil development. The direction and administration of various elements in the school receive maximum attention in class discussions of experiences, observations, assigned readings, and special reports. *Five hours a week, alternate winter and summer quarters,* Professor ————.

103. ELEMENTS OF STATISTICAL METHODS. Prerequisite, Education 31 or Psychology 21-22. Credit: 1 course.

The first meetings in this course will consider various methods of collecting data for educational, psychological, social, and economic investigations. The interpretation of data by graphic and mathematical devices will be taught chiefly by examples. Numbering, tabulation, the calculation of averages and variabilities, the transmutation of measures, and correlations will be included. Readings, demonstrations, problems, reports, and critical discussion. *Five hours a week, winter quarter.* Professor ————.

104. CLASSROOM MANAGEMENT.

105. GUIDANCE AND ADMINISTRATION OF PUBLIC SCHOOL PUPILS. Prerequisite, four full courses in education, including one in administration, and two years of successful teaching experience. Credit: 1 course.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupil activities, in student government, in athletics, etc. *Five hours a week, on application.* Professor ————.

108. STATE SCHOOL ORGANIZATION. Credit: 1 course.

141. PUBLIC SCHOOL EDUCATION IN THE SOUTH. Credit: 1 course.

This course gives an historical survey of public school education in Southern States with especial attention to its development in organization, administration, and supervision since 1876. Present-day questions in rural education are studied in the light of their historical development, and attention is given to the educational reorganization needed for the proper solution of the new rural life problems. Textbooks, lectures, investigations, and reports. *Five hours a week, fall or spring quarter.* Professor Huggins.

142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. Credit: 1 course.

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social and political facts of history, by the contributions of the leading educational theorists, and by institutional practice. Textbooks, lectures, investigations, and reports. *Five hours a week, winter quarter.* Professor Knight.

143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (History 168.) Credit: 1 course.

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Textbook, lectures, investigations, and reports. *Five hours a week, fall or spring quarter.* Professor Knight.

144. RURAL EDUCATION. Credit: 1 course.

A course planned to meet the needs of students preparing to become rural school teachers, principals, supervisors, and superintendents. It gives consideration to the organization, administration, and supervision of rural school education in the United States, with especial emphasis on the present conditions in the South. The county as the unit of administration and support, federal aid and a national program for rural educational work, and the application of the principles, agencies, and methods of supervision to the rural school will be studied. Textbooks, lectures, special investigations, and reports. *Five hours a week, winter quarter.* Professor Knight.

149. HISTORY OF EDUCATION IN NORTH CAROLINA. Credit: 1 course.

The purpose and development of education in North Carolina as seen in the work of public, private, charity, and church schools. A comparative study of public education in North Carolina and other selected typical states of the American Union. Lectures, discussions, and assigned readings. *Five hours a week, fall or spring quarter.* Professor Noble.

160. CURRICULUM CONSTRUCTION. Credit: 1 course.

The construction and organization of the elementary school curriculum when based upon human needs. Includes consideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curricular material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained. *Five hours a week, alternate spring quarters.* Professor Marks.

161. PROJECT ACTIVITIES IN THE ELEMENTARY GRADES.

162. TEACHING PUPILS HOW TO STUDY. Prerequisite, three or more courses in education, successful experience as a teacher, and satisfactory evidence of ability to conduct systematic investigations of pupils' habits. Credit: 1 course.

The physical and environmental factors that condition effective study, the necessity of preliminary preparation for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits and programs of study in each field, and techniques for the supervision of practice and growth in each type of study will be considered, practised, and learned in this course. Investigations, observations, special reports, readings, and discussions. *Five hours a week, on application.* Professor McKee.

163. EVALUATING CLASSROOM INSTRUCTION. Credit: 1 course.

The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction. *Five hours a week, alternate spring and summer quarters.* Professor Marks.

164. TESTS AND MEASUREMENTS IN ELEMENTARY EDUCATION. Prerequisite, Education 31 or Psychology 21-22. Credit: 1 course.

Methods of measuring and improving the results of instruction in the elementary school will be given detailed consideration in this course. Students will be made acquainted with the most important tests and scales and will be given some experience in interpreting the results both statistically and practically. *Five hours a week, fall quarter.* Professor Jordan.

165. INVESTIGATIONS IN READING. Credit: 1 course.

171. THE PSYCHOLOGY OF ELEMENTARY EDUCATION. Credit: 1 course.

172. THE PSYCHOLOGY OF HIGH SCHOOL SUBJECTS. Credit: 1 course.

173. MENTAL MEASUREMENTS. Prerequisite, Education 31 or Psychology 21-22. Credit: 1 course.

A study of mental tests both individual and group. The origin of the tests will be first considered followed by a comparative study of the various types of group and individual tests. There will be ample opportunity offered for the actual administration of the tests and the interpretation of the results. *Five hours a week, spring quarter.* Professor Jordan.

194. MEASUREMENTS IN SECONDARY EDUCATION. Prerequisite, Education 31 or Psychology 21-22. Credit: 1 course.

Standard tests for measuring the results of secondary school instruction will be examined and discussed. Special attention will be given to the results and needs in North Carolina high schools. Students will be expected to become fairly familiar with the tests and scales and to develop some skill in interpreting results. *Five hours a week, fall quarter.* Professor Jordan.

195. THE JUNIOR HIGH SCHOOL. Credit: 1 course.

196. THE HIGH SCHOOL PRINCIPALSHIP. Credit: 1 course.

197. SOCIAL POLICY AND EDUCATION. Credit: 1 course.

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy. *Five hours a week, winter quarter.* Professor Walker or Professor Mosher.

Courses Primarily for Graduates

201. PROCEDURES IN EDUCATIONAL RESEARCH. Credit: 1 course.

202. TECHNIQUES OF EDUCATIONAL LEADERSHIP. Credit: 1 course.

203. PUBLIC SCHOOL BUILDINGS: SPECIFICATIONS AND PLANS. Credit: 1 course.

204. EDUCATIONAL FINANCE. Credit: 1 course.

205. PUBLIC SCHOOL SURVEYS. Credit: 1 course.

271-272. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. Prerequisite, Education 31 or Psychology 21-22, and preferably one other course in Educational Psychology. Credit: 2 courses.

A double course treating intensively of the fundamental facts of educational psychology. This course is designed for those who intend to major in educational psychology and for all those who wish a thorough grounding in the psychological principles of education. The first part of this double course (271) will deal with problems of conduct and individual differences; the second part (272) will deal with problems of learning. *Five hours a week, fall and winter quarters.* Professor Jordan.

281. PROBLEMS IN THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. Credit: 1 course.

289. PROBLEMS IN THE TEACHING OF MATHEMATICS. Credit: 1 course.

291. PROBLEMS IN THE TEACHING OF NATURAL SCIENCE IN THE SECONDARY SCHOOLS. Credit: 1 course.

298. PHILOSOPHY OF HIGH SCHOOL TEACHING. Credit: 1 course.

299. PRINCIPLES OF SECONDARY EDUCATION. Credit: 1 course.

A systematic course for graduate students, intended primarily for those who have not had Education 99. This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school principals and graduate students who are looking forward to high school principalships. Textbooks, lectures, readings, and reports. A term paper will be required of each student before credit for the course will be allowed. *Five hours a week, spring quarter.* Professor Walker.

303abc. PROBLEMS IN EDUCATIONAL ADMINISTRATION. Prerequisite, Education 101, or its equivalent, and one other course in educational administration. Credit: 1½ courses.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once. *Three hours a week, fall, winter, and spring quarters.* Professor————.

304abc. PROBLEMS IN EDUCATIONAL MEASUREMENTS. Prerequisite, Education 164 or 194. Credit: 1½ courses.

Students who wish to specialize in educational measurements may take this course more than once if desired, since the problems considered will differ from year to year. *Three hours a week, fall, winter, and spring quarters.* Professor Trabue.

341abc. FOUNDATIONS OF EDUCATION IN THE SOUTH. Credit: 1½ courses.

This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 141, or Education 142, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences. *Three hours a week, fall, winter, and spring quarters.* Professor Knight.

375. THESIS COURSE. Credit: 1 course.
This is a course of strictly graduate grade in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussions. *Three hours a week.* Professors in the School of Education.

376. SEMINAR COURSE. Credit: ½ course each quarter.
A research course in a special field under the direction of a member of the department. Students may register and receive credit for one, two, or three quarters. *Three hours a week, fall, winter, and spring quarters.*

398-399. PROBLEMS IN SECONDARY EDUCATION. Credit: 2 courses.
This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. Students who have not taken Education 99 may be admitted only with special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student. Throughout the two quarters regular class discussions will be held on present-day problems in secondary education and assigned readings will be required. *Five hours a week, fall and winter quarters.* Professors Walker, Mosher.

DEPARTMENT OF ENGLISH¶

Professors COFFMAN, KOCH, BOOKER, MCKIE, TAYLOR, THRALL; Associate Professors HOWELL, PAINE, MACMILLAN, ERICSON, *WRIGHT, HUDSON; Acting Associate Professor RUSSELL; Assistant Professors MCCLAMROCH, ADAMS, OLSEN, BOND, SELDEN; Acting Assistant Professor SHARPE; Instructors RUSSELL, SHINE, BAILEY, WILSON, STROUP, HORNER, MCCOY, SENSABAUGH, DAVIS; Teaching Fellows SINCLAIR, WELLS, WILLIAMS; Assistants SCOTT, BROWN, MOORE, MAHLER

Courses for Undergraduates

NOTE. English 1abc and English 21-22 are prerequisite to all advanced courses in the department. Juniors will not be admitted to courses for advanced undergraduates except by special permission.

1abc. FRESHMAN ENGLISH. Required of all Freshmen except those in the School of Engineering. Credit: 1½ courses.
English 1a (Fall) has for its object practical control of the sentence as a rhetorical unit and an understanding of the relation of sentence structure to paragraph structure. English 1b (Winter) centers attention upon the paragraph and begins consideration of the technical problems of the longer theme. English 1c (Spring) is devoted to study of the structure and style of the essay, and undertakes an approach toward the problems of the literature course in the sophomore year. In all three quarters the student pursues directed reading, writes frequent themes,

¶UNDERGRADUATE MAJORS IN ENGLISH
Beginning with the year 1931-1932, students of the class of 1933 have the opportunity to elect the following majors:
In the College of Liberal Arts:
General: English 50, 91 or 93, 103 or 112 or 125, two of the following: 81, 82, 141, 143 (but only one course in American Literature may be counted here); and three other courses in English.
Dramatic: English 50, 113 or 114, 133, 149 or 162, 161, and three courses in dramatic composition or theater arts.
In the School of Education (for prospective teachers of English): English 44-45-46, 50, 52, 81, 103, 141 or 143, and courses in the materials and methods of teaching high school English (see the Department of Education).
* Absent on leave 1931-1932

and has personal conferences with his instructor. (Students who fail to qualify for English 1a will be required to take a preliminary course without credit.) *Three hours a week, throughout the year.* Professors Hudson (Chairman), Adams, McClamroch, Bond; Messrs. Horner, Russell, McCoy, Shine, Wilson, Sensabaugh, Stroup, Scott, Wells, Brown, Williams, Sinclair, Moore.

The following courses, 9abc, 29abc, and 59, 60, are offered by the Department of English for students in the School of Engineering. They are not open to other students.

9abc. COMPOSITION FOR ENGINEERS: INTRODUCTORY COURSE. Open only to students in the School of Engineering. Credit: 1 course.

Two hours a week and weekly conferences, fall, winter, and spring quarters. Mr. Bailey (Chairman), Mr. Stroup.

21-22. ENGLISH LITERATURE. Prerequisite, English 1abc.

Study of important significant literary productions chronologically considered. *Five hours a week, two quarters, fall and winter, fall and spring, or winter and spring quarters.* Professors Paine (Chairman), Booker, McKie, Taylor, Thrall, Howell, MacMillan, Ericson, Hudson, McClamroch, Adams, Olsen, Bond, Sharpe.

29abc. LITERATURE FOR ENGINEERS. Open only to students in the School of Engineering. Credit: 1 course.

Two hours a week, fall, winter, and spring quarters. Professor Howell.

41-42-43. DRAMATIC INTERPRETATION. Credit: 1½ courses.

A course in the study of drama from the standpoint of oral interpretation. In each quarter a play of Shakespeare, a comedy of manners, and a modern play are used as material, and a term paper based on parrallel readings is required. *Three hours a week, fall, winter, and spring quarters.* Professor McKie.

44-45-46. PUBLIC SPEAKING. Credit: 1½ courses.

Courses center in problems of persuasion. Emphasis on sincerity and on precision in language. Study of some persistent problems in citizenship as a basis for speaking. Outlines required; practice in parliamentary procedure and controlled public discussion; individual conferences. The fall quarter emphasizes organization of material and mechanics of speech. The winter quarter work is argumentation and debate with briefing and tests of evidence and reasoning. The spring quarter work emphasizes special types of speeches. *Three hours a week, fall, winter, and spring quarters.* Professor Olsen.

47. PUBLIC SPEAKING. Open only to students registered in the A.B.-LL.B. curriculum or others who intend to enter the School of Law. Credit: 1 course.

An adaptation of English 44 for students who intend to study law. *Five hours a week, fall quarter.* Professor Olsen.

50. SHAKESPEARE. Credit: 1 course.

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

51. BUSINESS CORRESPONDENCE. Credit: 1 course.

Especially designed for students in the School of Commerce. Registration only with permission of the instructor. *Five hours a week, winter or spring quarter.* Professor McClamroch.

Registration in English 52, 53, 54 is limited. Before registering for these courses, students must secure the permission of the instructors.

52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION. Credit: 1 course.

A course in expository writing for students desiring practice in organization of material. *Five hours a week, fall quarter.* Professors Howell, Russell.

53. ADVANCED COMPOSITION. Credit: 1 course.

Five hours a week, winter quarter. Professor Russell.

54. ADVANCED COMPOSITION. Credit: 1 course.

Five hours a week, spring quarter. Professor Russell.

The following three courses in Play Writing, English 55, 56, and 57, should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered.

55. PLAY WRITING. Credit: 1 course.
A practical course in playwriting. Emphasis is placed on the materials of the student's own experience and observation. Plays written in the course are selected for experimental production, the authors directing them. *Five hours a week, fall quarter.* Professor Koch.

56. PLAY WRITING. Credit: 1 course.
A consideration of the elements of play construction and practise in the one-act form. Experimental and public productions by The Carolina Playmakers of plays written in the course. *Five hours a week, winter quarter.* Professor Koch.

57. PLAY WRITING. Credit: 1 course.
Practice in writing both one-act and full-length plays. Experimental and public productions by The Carolina Playmakers of plays written in the course. *Five hours a week, spring quarter.* Professor Koch.

59. ADVANCED TECHNICAL COMPOSITION. Open only to students in the School of Engineering. Credit: 1 course.
Five hours a week, winter or spring quarter. Professor Howell.

60abc. PUBLIC SPEAKING FOR ENGINEERS. Open only to students in the School of Engineering. Credit: 1 course.
Two hours a week, fall, winter, and spring quarters. Professors McKie, Olsen.

The following six courses, English 61, 62, 63, 64, 65, 66, are introductory courses in the theory and practice of the theatre designed for students participating in the work of the Carolina Playmakers. All students registered for the three courses, English 64, 65, 66, will be required to fill positions on the technical staff of the productions of The Carolina Playmakers.

61. ACTING. Credit: 1 course.
Training in the technique of acting. *Two hours lecture and six hours practical work a week, fall quarter. Fee for materials, $2.00.* Professor Selden.

62. REHEARSAL AND PERFORMANCE. Credit: 1 course.
The theory and practice of ensemble acting from the point of view of both the actor and the director. *Two hours lecture and six hours practical work a week, winter quarter. Fee for materials, $2.00.* Professor Selden.

63. PLAY DIRECTION. Credit: 1 course.
The theory and practice of play directing. *Two hours lecture and six hours practical work a week, spring quarter. Fee for materials, $2.00.* Professor Selden.

64. SCENERY CONSTRUCTION AND PAINTING. Credit: ½ course.
Elementary theory and practice in the construction and painting of scenery for the stage. *One hour lecture and four hours laboratory a week, fall quarter (See note above.) Fee for materials, $2.00.* Professor Selden.

65. STAGE LIGHTING. Credit: ½ course.
Elementary theory and practice in stage lighting, including the choice of equipment and its control in the theatre. *One hour lecture and four hours laboratory work a week, winter quarter. (See note above.) Fee for materials $2.00.* Professor Selden.

66. STAGE DESIGN. Credit: ½ course.
The history of and elementary theory and practice in the designing of scenery for the stage, through the preliminary sketch, the steel model, and the working drawings. A considerable amount of simple architectural drafting will be required. *One hour lecture and four hours laboratory work a week, spring quarter. (See note above.) Fee for materials, $2.00.* Professor Selden.

75. BROWNING. Credit: 1 course.
(1933-1934 and alternate years.) *Five hours a week, fall quarter.* Professor Booker.

76. TENNYSON. Credit: 1 course.
(1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Booker.

79. RECENT ENGLISH LITERATURE. Credit: 1 course.
The aim of this course is to follow the main currents of thought in the more significant literature appearing between 1890 and the present day. *Five hours a week, spring quarter.* Professor Booker.

81. AMERICAN LITERATURE. Credit: 1 course.
A survey of American literature from 1830 to 1855. *Five hours a week, winter quarter.* Professor Adams.

82. AMERICAN LITERATURE. Credit: 1 course.
A survey of American literature from 1855 to the present. *Five hours a week, spring quarter.* Professor Adams.

91. THE ENGLISH NOVEL. Credit: 1 course.
Five hours a week winter quarter. Professor MacMillan.

93. ENGLISH DRAMA. Credit: 1 course.
A study of English drama from the beginnings to 1900. *Five hours a week, fall quarter.* Professor MacMillan.

95. GREAT BOOKS OF THE NINETEENTH CENTURY. Credit: 1 course.
The aim of this course is to reveal certain masterpieces of the past century as commentaries on man's relations to God, nature, woman, and the State. *Five hours a week, winter quarter.* Professor Booker.

100. READING COURSE. Credit: ½ course.
Open to a small number of advanced students who desire to read in the field of their literary interest. Permission of the instructor is necessary before registration. *The equivalent of three hours a week, any quarter.* Professor Coffman.

DEBATING 1. Credit: ½ course.
A course in the discussion and analysis of current public questions. Occasional lectures by various members of the faculty. Weekly meetings throughout the year. Professor Olsen, Chairman.

Courses for Graduates and Advanced Undergraduates

101. OLD ENGLISH: INTRODUCTORY COURSE. Credit: 1 course.
A study of Old English grammar and syntax. A considerable amount of Old English prose is read. *Five hours a week, fall quarter.* Professor Ericson.

103. MIDDLE ENGLISH: CHAUCER. Credit: 1 course.
Previous training in Old or Middle English, not a fixed prerequisite. The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with some consideration of Chaucer's language. *Five hours a week, winter quarter.* Professor Coffman.

105. MEDIEVAL ROMANCE IN ENGLISH. Credit: 1 course.
A survey of medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, spring quarter.* Professor Thrall.

111. ENGLISH LITERATURE OF THE RENAISSANCE. Credit: 1 course.
A survey of the literature of the Elizabethan period, exclusive of the drama. *Five hours a week, fall quarter.* Professor Thrall.

112. SPENSER. Credit: 1 course.
Five hours a week, winter quarter. Professor Thrall.

113. ENGLISH DRAMA, 1500-1600. Credit: 1 course.
Five hours a week, winter quarter. Professor Sharpe.

114. ENGLISH DRAMA, 1600-1642. Credit: 1 course.
Five hours a week, spring quarter. Professor Sharpe.

121. ENGLISH LITERATURE, 1616-1700. Credit: 1 course.
The non-dramatic literature of the period. *Five hours a week, spring quarter.* Professor Howell.

125. MILTON. Credit: 1 course.
The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

131. ENGLISH LITERATURE, 1700-1780. Credit: 1 course.
The non-dramatic literature of the period. *Five hours a week, fall quarter.* Professors MacMillan, Bond.

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA. Credit: 1 course.
A study of the drama from 1660 to 1800. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor MacMillan.

141. ENGLISH LITERATURE, 1780-1830. Credit: 1 course.
A survey of English literature of the romantic period with especial attention to the greater poets. *Five hours a week, winter quarter.* Professor Hudson.

143. VICTORIAN LITERATURE I, 1832-1860. Credit: 1 course.
A survey with special attention to Carlyle, Tennyson, and Browning. *Five hours a week, fall quarter.* Professor Booker.

144. VICTORIAN LITERATURE II, 1860-1890. Credit: 1 course.
A survey with special attention to Ruskin, Rossetti, Morris, and Swinburne. *Five hours a week, winter quarter.* Professor Booker.

149. NINETEENTH-CENTURY DRAMA. Credit: 1 course.
A study of representative English plays in the nineteenth century. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

151. AMERICAN LITERATURE. Credit: 1 course.
A survey of the literature of the colonial, revolutionary, and early national periods. *Five hours a week, fall quarter.* Professor Paine.

161. COMPARATIVE DRAMA. Credit: 1 course.
A general survey of the drama and the theatre from Æschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. Credit: 1 course.
A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. Credit: 1 course.
The principles that have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor Bond.

167. THE ENGLISH BALLAD. Credit: 1 course.
A study of the English and Scottish popular ballads, with a survey of ballad survivals in America, particularly in North Carolina. Students in the course who may have access to ballads in oral circulation will be encouraged to collect them. *Five hours a week, spring quarter.* Professor Hudson.

170. THE HISTORY OF THE ENGLISH LANGUAGE. Credit: 1 course.
The English language in the light of its historical development. Study of the chief linguistic influences and tendencies as seen in literary specimens of the various periods. *Five hours a week, spring quarter.* Professor Ericson.

Courses Primarily for Graduates

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF. Prerequisite, English 101. Credit: 1 course.
Five hours a week, winter quarter. Professor Ericson.

202. MIDDLE ENGLISH. Credit: 1 course.
The main purpose of the course is to acquaint the student with the social, political, and religious background of the medieval England. A fuller study will be made of the historical and philological relations of Middle English than in English 103. *Five hours a week, spring quarter.* Professor Coffman.

203. MEDIEVAL DRAMA. Credit: 1 course.
A study of the origin and development of the religious drama in Western Europe; special consideration of the craft cycles and the moralities. *Five hours a week, fall quarter.* Professor Coffman.

The following three courses in Play Writing, English 225, 226, and 227, should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered.

225. PLAY WRITING, ADVANCED COURSE. Credit: 1 course.
A practical course in playwriting and experimental production. Emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. The student is expected to direct experimental productions of plays written in the course. The best of these are given public production by The Carolina Playmakers. *Five hours a week, fall quarter.* Professor Koch.

226. PLAY WRITING, ADVANCED COURSE. Credit: 1 course.
The principles of dramatic construction and practice in the writing and production of one-act and full-length plays. Experimental and public productions. *Five hours a week, winter quarter.* Professor Koch.

227. PLAY WRITING, ADVANCED COURSE. Credit: 1 course.
Practice in writing the full-length play with experimental and public productions by The Carolina Playmakers. *Five hours a week, spring quarter.* Professor Koch.

231-232. SHAKESPEARE. Credit: 1 course.
The works of Shakespeare are studied with emphasis upon the historical and critical problems which they present. *Five hours a week, winter and spring quarters.* Professor Taylor.

283. THE ROMANTIC MOVEMENT IN AMERICAN LITERATURE. Credit: 1 course.
(1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Paine.

284. AMERICAN LITERATURE, 1870-1900. Credit: 1 course.
(1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Paine.

307. SEMINAR: STUDIES IN MEDIEVAL LITERATURE. Credit: 1 course.
Research in special problems concerning medieval drama, Chaucer, and other vernacular literature of the middle ages. *Five hours a week, spring quarter.* Professor Coffman.

310. SEMINAR: STUDIES IN ELIZABETHAN LITERATURE. Credit: 1 course.
Research in special problems in Elizabethan literature. (Not given winter, 1932.) *Five hours a week, fall quarter* (Professor Wright), *winter quarter* (Professor Taylor).

312. SEMINAR: STUDIES IN SEVENTEENTH-CENTURY LITERATURE. Credit: 1 course.
Research in special problems in the literature and thought of the seventeenth century. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Howell.

313. SEMINAR: STUDIES IN EIGHTEENTH-CENTURY LITERATURE. Credit: 1 course.

Special problems in the literary and intellectual movements of the eighteenth century. *Five hours a week, spring quarter.* Professors MacMillan, Bond.

317. SEMINAR: STUDIES IN NINETEENTH-CENTURY ROMANTICISM IN ENGLAND. Credit: 1 course.

Wordsworth and Coleridge: the English and Continental aspects of their thought and art. (Not given 1932-1933.) *Five hours a week, fall quarter.* Professor ———.

318. SEMINAR: STUDIES IN AMERICAN LITERATURE. Credit: 1 course.

Five hours a week, winter quarter. Professor Paine.

320. SEMINAR: STUDIES IN VICTORIAN LITERATURE. Credit: 1 course.

Special problems in the literature appearing between 1832 and 1890. *Five hours a week, spring quarter.* Professor Booker.

331. SEMINAR: BIBLIOGRAPHY. Credit: 1 course.

The principles and methods of the study of English with a series of simple problems in bibliography and literary history. Required of all candidates for the A.M. and Ph.D. degrees. *Five hours a week, winter quarter.* Professor Paine.

340. SPECIAL READINGS. Credit: 1 course.

Reading in a special field under the direction of a member of the department. This course may not be repeated for credit.

341. SPECIAL RESEARCH. Credit: 1 course.

Research in a special field under the direction of a member of the department.

Attention is called to the courses in philology and advanced literary study offered in the Departments of Classics (Latin 110, Medieval Latin; Latin 202, Latin Epigraphy; Latin 203, Latin Paleography), General and Comparative Literature, Germanic Languages (German 221, Introduction to Comparative Philology; German 201, Gothic, etc.), and Romance Languages (French 221-222-223, Old French; French 225, Provencal; Celtic 205, Middle Irish; Spanish 221-222, Early Spanish; Italian 131-132, Dante; etc.).

DEPARTMENT OF GENERAL AND COMPARATIVE LITERATURE

Professors HOWE (Chairman), KOCH, BERNARD, LEAVITT, HOLMES, THRALL, TAYLOR, COFFMAN, BROWN, ADAMS; Associate Professors HUSE, LYONS, METZENTHIN; Assistant Professors BOGGS, STOUDEMIRE

Courses for Undergraduates

61, 62. CLASSICAL LITERATURE. Credit: 1 course each quarter.

A study of masterpieces of Greek and Latin literature in English translation with special reference to the contribution of ancient civilization to modern thought. *Five hours a week, fall and winter quarters.* Professors Bernard, Howe.

65. ORIENTAL LITERATURE. Credit: 1 course.

The epics, dramas, etc., of the Hindus, Chinese, and other peoples are studied for their revelation of the Oriental outlook on life, and for their contribution to Occidental literature and thought. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

75. SHAKESPEARE. This course is the same as English 50. Credit: 1 course.

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

Courses for Graduates and Advanced Undergraduates

103. CHAUCER. Credit: 1 course.
Previous training in Old or Middle English is not a fixed prerequisite. The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with some consideration of Chaucer's language. *Five hours a week, winter quarter.* Professor Coffman.

105. MEDIEVAL ROMANCE IN ENGLISH. Credit: 1 course.
A survey of Medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, spring quarter.* Professor Thrall.

111. THE LATIN EPIC. Credit: 1 course.
The history of the Latin Epic; detailed study of the *Æneid. Five hours a week, spring quarter.* Professor Howe.

112. THE POETRY OF OVID. Credit: 1 course.
The reading in English of the complete works of Ovid. Special critical studies in the *Metamorphoses.* The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

113. THE GREEK EPIC. Credit: 1 course.
Epic as a literary form; the *Iliad* and *Odyssey*; origins, Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, winter quarter.* Professor Bernard.

121. LESSING AND SCHILLER AND THEIR CONTEMPORARIES IN ENGLISH TRANSLATION. Credit: 1 course.
Their lives and works. Their philosophical, theological, social, and literary views, and their indebtedness to previous men of letters in different countries. The influence of these authors on German and foreign thinkers and writers. Lectures. Reports. *Five hours a week, winter quarter.* (1932-1933 and alternate years.) Professor Metzenthin.

123. GOETHE IN ENGLISH TRANSLATION. Credit: 1 course.
Study of the man, thinker, and poet in connection with the German and general European movements of thought and literature in his time. Lectures and reports. *Five hours a week, spring quarter.* (1931-1932 and alternate years.) Professor Brown.

125. MILTON. Credit: 1 course.
The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

151. THE MIDDLE AGES. This course alternates with course 152. Credit: 1 course.
A survey of Medieval France, England, Germany, Spain, Italy, and Byzantium, from the point of view of civilization and especially of art and literature. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

152. THE RENAISSANCE. This course alternates with course 151. Credit: 1 course.
An account of the establishment of modern European culture. Lectures on the history, science, fine arts, literary scholarship, and literature of the Renaissance in Italy, France, Germany, the Netherlands, and England. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professors Holmes (Chairman), Adams, Lyons.

155. GREEK DRAMATIC LITERATURE. Credit: 1 course.
A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Bernard.

156. DANTE IN ENGLISH TRANSLATION. Credit: 1 course.
The *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter.* Professor Huse.

157. CERVANTES IN ENGLISH TRANSLATION. Credit: 1 course.
Consideration of the Romances of Chivalry in Spain; study of Cervantes' *Don Quixote* and the *Exemplary Novels* in English translation. *Five hours a week, spring quarter.* Professor Stoudemire.

159. FRENCH CLASSIC DRAMA. Credit: 1 course.
A general survey of the origins of classicism in France. Assigned readings in the Greek and Latin dramatists with emphasis on the modification of their art which explains the masterpieces of the French 17th century. The greater part of the course will be given over to the plays of Corneille, Molière, Racine, and their contemporaries. The decline of classicism in France; the gradual breaking down of classic standards, and the evolution toward an unrestricted drama. *Five hours a week, spring quarter.* Professor ————.

161. COMPARATIVE DRAMA. Credit: 1 course.
A general survey of the drama and the theatre from Aeschylus to Ibsen. Special attention is given to the function of the drama in representative plays of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. THE MODERN DRAMA. Credit: 1 course.
A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. Credit: 1 course.
The Principles which have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor ————.

185. INTRODUCTION TO FOLKLORE. Credit: 1 course.
A study of folk literature and its cultural significance; of the theories of origin of themes; of the various types, such as the ballad, legend, myth, tale, and proverb. Methods of gathering folklore are evaluated. *Five hours a week, winter quarter.* Professor Boggs.

190. DIRECTED READING. Credit: 1 course.
Open only to seniors and graduates who receive permission from the Chairman of the Department. *Equivalent of three hours a week, fall, winter, and spring quarters.*

DEPARTMENT OF GEOLOGY

Professors COBB, PROUTY; Associate Professor †SWARTZ; Acting Associate Professor DOUGLAS; Assistant Professors MACCARTHY, *BYNUM; Instructor MARTIN; Teaching Fellow ALEXANDER; Assistants BYERLY, CLINARD, GREENE, NISBET

5. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Required of Freshmen in the School of Commerce. Elective for A.B. in Education. Not open to other students. Credit: 1 course.
Lectures and laboratory work. The first part of the course deals briefly with weather and climate, origin and nature of soils, and the chief natural divisions of the world. *Five hours a week, every quarter. Materials fee, $3.50.* Professor Bynum; Mr. Byerly.

11-12. INTRODUCTION TO GEOLOGY. Credit: 2 courses.
Lectures with laboratory and field work; laboratory work in the first quarter

† Absent on leave, 1931-1932.
* Died February 3, 1932.

on common minerals and rocks, and map interpretation; in the second quarter on geological folios and the more common fossils. The first quarter deals with physical geology, with physiographic processes and their results; the second quarter is a study of the outlines of historical geology. Both Geology 11 and Geology 12 are given each quarter. Geology 11 is offered during the summer on the transcontinental tour also. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, $3.00 a quarter.* Professors Cobb, Prouty, MacCarthy, Douglas, and Assistants.

41. PRINCIPLES OF GEOLOGY. Prerequisite, Geology 11-12. Credit: 1 course.

Principles of geology, including the history of geological science; lectures, field work, and library work, with reports, including a report on the surficial geology of a selected area at a distance from Chapel Hill. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.00.* Professor Cobb and Assistant.

43-44. MINERALOGY. Prerequisite, Geology 11-12, Chemistry 1-2. Credit: 2 courses.

Crystallography, physical and chemical properties of minerals, blow-pipe analysis; lectures, laboratory work, and field work. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $5.00 a quarter.* Professor MacCarthy.

45. METEOROLOGY. Credit: 1 course.

A study of the atmosphere and the factors controlling the weather; the making and interpretation of weather maps; weather forecasting. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $2.50.* Professor MacCarthy.

46. PHYSICAL GEOGRAPHY. Credit: 1 course.

The geomorphology and economic geography of the United States, with special reference to either the Western or Eastern states according to circumstance. Designed primarily for the transcontinental tour, when it is proposed to have a minimum of 55 lecture and laboratory (2-hour) periods, but it may be taken in residence if there is sufficient demand. Professors Cobb, MacCarthy, Bynum.

47. PALEONTOLOGY. Prerequisite, Geology 11-12. Credit: 1 course.

Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50. Professor MacCarthy.

48-49. SUMMER FIELD COURSE IN GEOLOGY. Prerequisite, Geology 11-12. Credit: 2 courses.

A six weeks' course to be given in North Carolina and bordering states. In this course economic, structural, and stratigraphic geology and geological mapping will be emphasized. This course will coincide with the scheduled six weeks' summer school course. This course may also be taken with transcontinental tour. *Equivalent of five hours a week for two quarters.* Professors Cobb, Prouty, MacCarthy, and Assistant.

51-52. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Credit: 2 courses.

Lectures, library work, and laboratory work. The course deals with man's interaction with his varying environments in the development of industries, and with the geographic conditions of different countries as giving rise to commerce. *Five hours a week, fall and winter quarters. Laboratory fee, $2.50 a quarter.* Professor Cobb; Mr. Byerly.

53. HUMAN GEOGRAPHY. Credit: 1 course.

Lectures, library work, and laboratory work. The course consists of the principles studied in Geology 51-52 in their application to some one of the continents. *Five hours a week, spring quarter. Laboratory fee, $2.50.* Professor Cobb; Mr. Byerly.

56. ADVANCED WORK IN PHYSIOGRAPHY. Prerequisite, Geology 11-12. Credit: 1 course.

Lectures, field work, and laboratory work, dealing in detail with physiographic processes and their results; geomorphology. An extended field study is required in this course. *Three hours a week, lectures and laboratory, spring quarter. Laboratory fee, $2.00.* Professor Cobb.

61-62. ORIGIN AND NATURE OF SOILS. Prerequisite, Geology 11-12, 43-44, Chemistry 1-2. Credit: 2 courses.

Lectures, field work, laboratory work, and theses. The course is given primarily for men who wish to enter the State or Federal Soil Surveys or to engage in farming. Students in this course are expected to keep Saturday open for field work. *Five hours a week, lectures and laboratory, winter and spring quarters. Laboratory fee, $2.50 a quarter.* Professor Cobb and Assistants.

77-78. ENGINEERING GEOLOGY. For students in Engineering. Credit: 2 courses.

Three lecture and four laboratory hours a week, fall and winter quarters. Laboratory fee, $3.50 a quarter. Professor Prouty.

Courses for Graduates and Advanced Undergraduates

105. ELEMENTS OF GEOPHYSICS. Prerequisite, Geology 11-12 and Mathematics 1-2. Credit: 1 course.

The fundamental principles of geophysics, the application of these principles to practical problems. This course may be continued for not more than two additional quarters under the numbers 106 and 107. *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $5.00 a quarter.* Professors Swartz, MacCarthy.

111-112. ECONOMIC GEOLOGY Prerequisite, Geology 11-12, 43-44, Chemistry 1-2. Credit: 2 courses.

Lectures, laboratory work, and reports. During the fall quarter the nonmetallic minerals will be studied. The metallic minerals will be considered in the winter quarters. *Four lecture and two laboratory hours a week, fall and winter quarters.* (1931-1932 and alternate years.) *Laboratory fee, $3.50 a quarter.* Professor Prouty.

121-122. STRUCTURAL AND FIELD GEOLOGY. Prerequisite, Geology 11-12. Credit: 2 courses.

Lectures, with laboratory, field work, problems, and conferences. The first quarter deals with structural geology and map interpretation; the second quarter with geological note taking, surveying, map making, and field practice. (1932-1933 and alternate years.) *Four lecture and two laboratory hours a week, fall and winter quarters. Laboratory fee, $3.50 a quarter.* Professor Prouty and Assistants.

123. OIL GEOLOGY. Prerequisite, Geology 121-122. Credit: 1 course.

Lectures, laboratory work, and reports. A study of the origin, distribution, and accumulation of petroleum, with special relation to the oil fields of North America; methods of prospecting for oil, recovery of oil, the valuation of oil properties. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor Prouty.

131. ADVANCED CRYSTALLOGRAPHY. Prerequisite, Chemistry 1-2 and Geology 43-44. Credit: 1 course.

This course includes a detailed consideration of the nature of crystals and crystalline substances, the use of both contact and reflecting goniometer, and crystal drawing. *Three lecture and four laboratory hours a week, spring quarter Laboratory fee, $3.50.* Professor MacCarthy.

133. PETROLOGY. Prerequisite, Geology 11-12, 43-44, Chemistry 1-2. Credit: 1 course.

Laboratory work on rocks; a study of the origin, classification, and distribution of rocks. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor Prouty and Assistant.

134. PETROGRAPHY. Prerequisite, Geology 11-12, 43-44, Chemistry 1-2. Credit: 1 course.

Lectures, laboratory work on the microscopic physiography of the rock forming minerals; optical mineralogy and the theory of light as applied to the polarizing microscope; minerals as observed in thin rock sections. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor Prouty.

141-142-143. ADVANCED FIELD WORK AND SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit: 3 courses.

Problems and work adapted to the special needs of the student. For graduates and for specially prepared seniors. Students in this course are expected to keep Saturday open for field work. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Five hours a week, fall, winter, and spring quarters.* Professors Cobb, Prouty, MacCarthy, and Assistants.

148-149. SUMMER FIELD COURSE IN GEOLOGY. Credit: 2 courses.

This course is similar to 48-49 but is to be given in alternate years and in a different type of geological area.

171-172-173. ADVANCED PALEONTOLOGY. Credit: 3 courses.

A study of the classification and generic and specific determination of the invertebrata, chiefly fossil. *Three lecture and four laboratory hours a week, fall winter, and spring quarters. Laboratory fee, $3.50 a quarter.* Professor Douglas.

174-175-176. ADVANCED PALEONTOLOGY. Credit: 3 courses.

A study of the anatomy, classification, and generic and specific determination of the higher invertebrata, chiefly fossil. (1932-1933, and alternate years.) *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.50 a quarter.* Professor Douglas.

181-182-183. ADVANCED HISTORICAL GEOLOGY. Prerequisite, Geology 11-12. Credit: 3 courses.

A study of the principles of historical geology and stratigraphy, the history of stratigraphic geology, the origin of the earth, and the geography, life, and geologic events of the archaeozoic, proterozoic, and paleozoic eras of the earth's history. *Five hours a week, fall, winter, and spring quarters.* Professor Douglas.

191, 192, 193. APPLIED GEOPHYSICS. Prerequisite, Mathematics 24, 25. Credit: 1 course each quarter.

A survey of geophysical methods used for the detection of ore deposits, oil, etc.; a description of geophysical instruments and their use; actual geophysical surveys of selected areas about Chapel Hill. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professors Swartz, MacCarthy.

Courses for Graduates

304-305-306. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit: 3 courses.

The student is expected to devote six weeks to work in the field, accompanied by the instructor, and to work up his results during the first quarter of the college year. The entire research constitutes three courses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professors Cobb, Prouty, MacCarthy, Douglas.

307-308-309. SPECIAL RESEARCH. Credit: 3 courses.

Special Research in economic geology, in historical geology, in paleontology, petrology and petrography, and in geography, two quarters of which must be taken as a seminar course. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.*

The Geological Seminar meets weekly for the review and discussion of current geological literature, and for the presentation of original papers.

DEPARTMENT OF GERMANIC LANGUAGES

Professors TOY, BROWN; Associate Professor METZENTHIN; Instructors COLLINS, SPANN

Courses for Undergraduates

1-2. ELEMENTARY COURSE. Credit: 2 units or 2 courses.
Grammar: written and oral exercises; translation; sight reading. This course may be counted for credit toward the A.B. degree provided it is followed by German 3-4 and 21 or 22 or 31 or 32. It may be counted for credit as an elective by students who have selected for their language requirements two other foreign languages. *Five hours a week, every quarter.* Professor Metzenthin; Messrs. Collins, Spann.

3-4. INTERMEDIATE COURSE. Prerequisite, German 1-2 or the equivalent. Credit: 2 courses.
Translation, sight reading, composition, grammar, oral exercises. One section of German 4 will be offered for those who are especially interested in science, provided the teaching force of the department is not already fully occupied. *Five hours a week, every quarter.* Professors Brown, Metzenthin; Messrs. Collins, Spann.

21. INTRODUCTION TO GERMAN LITERATURE. Prerequisite, German 3-4. Credit: 1 course.
Lessing: *Minna von Barnhelm;* Schiller *Die Jungfrau von Orleans.* Lectures. Outside reading. *Five hours a week, fall or winter quarter.* Professor Toy.

22. INTRODUCTION TO GERMAN LITERATURE. Prerequisite, German 3-4. Credit: 1 course.
Schiller: *Wilhelm Tell;* Goethe: *Iphigenie auf Tauris,* or *Egmont.* Lectures. Outside reading. *Five hours a week, winter or spring quarter.* Professor Toy.

31, 32. GERMAN LITERATURE OF THE NINETEENTH CENTURY. Prerequisite, German 3-4. Credit: 1 course each quarter.
Wide reading from the best authors. Course 31 or 32 may be taken separately for credit. *Five hours a week, fall and winter or winter and spring quarters.* Professor Brown.
Courses 21, 22, 31, 32 are of the same grade. They present an introduction to the study of German literature.

51. *PRACTICE IN WRITING AND SPEAKING GERMAN. Prerequisite, German 3-4. Credit: 1 course.
Five hours a week, spring quarter. Professor Brown.

Courses for Graduates and Advanced Undergraduates

101-102. *GOETHE. Prerequisite, five courses in German. This course may be elected only after consultation with the instructor. Credit: 2 courses.
Study of his life. Reading and interpretation of representative works. Lectures and reports. *Five hours a week, two quarters on application.* Professor Brown.

103-104. *GOETHE'S FAUST. Prerequisite, five courses in German. This course may be elected only after consultation with the instructor. Credit: 2 courses.

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* NOTE: Courses 51, 101-102, 103-104, 111, 201, 203, 207, 211, 221, 223, 225, 251 will be given if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small. Of courses 221, 223, 225, 251 only one will be given in any quarter.
Course 51 may not be counted among the prerequisites for advanced courses.

Goethe: *Faust*, Parts I and II. *Five hours a week, two quarters on application. As a graduate course, it may be completed in one quarter.* Professor Toy.

111. *GERMAN DRAMA IN THE NINETEENTH CENTURY. Prerequisite, six courses in German. Credit: 1 course.

Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann. Reading, lectures, reports. *Five hours a week, one quarter on application.* Professor Brown.

For courses 121 and 123, see Comparative Literature, Courses 121 and 123.

Courses Primarily for Graduates

201. *GOTHIC. Prerequisite, six courses in German. Credit: 1 course.

Braune's *Gotische Grammatik*, or Wright's *Gothic Grammar;* select parts of Paul's *Grundriss der Germanischen Philologie.* Introduction to Germanic Philology. *Five hours a week, one quarter on application.* Professor Toy.

203. *OLD HIGH GERMAN. Prerequisite, six courses in German. Credit: 1 course.

Braune's *Althochdeutsche Grammatik;* Braune's *Althochdeutsches Lesebuch. Five hours a week, one quarter on application.* Professor Toy.

207. *MIDDLE HIGH GERMAN. Prerequisite, six courses in German. Credit: 1 course.

Middle High German grammar. Wide reading. *Five hours a week, one quarter on application.* Professor Brown.

211. *THE ROMANTIC SCHOOL IN GERMANY. Credit: 1 course.

Five hours a week, one quarter on application. Professor Brown.

221. *INTRODUCTION TO COMPARATIVE PHILOLOGY. Prerequisite, one classical and one modern foreign language. This course may be elected only after consultation with the instructor. Credit: 1 course.

Theories of the origin and development of human speech. Classification and history of languages. Specimens of primitive (American Indian) languages. Peculiarities of the Semitic branch (Hebrew). The Indo-European family. Linguistic history and geography of Europe. *Five hours a week, one quarter on application.* Professor Metzenthin.

223. *GERMANIC PHILOLOGY. Prerequisite, advanced English and German. Credit: 1 course.

After a survey of the Indo-European family of languages the pre-historic, primitive Germanic language is explained and from it, as their source the various Germanic dialects are traced and their historical developments discussed. An introduction to the reading and interpretation of Germanic manuscripts will be given. Seminary course. Credit will be given only for research work of scholarly character. *Five hours a week, one quarter on application.* Professor Metzenthin.

225. *OLD SAXON. Credit: 1 course.

Introduction to the grammar and syntax of the Old Saxon dialect. Comparison with Gothic, Old High German, and Old English. Study of "Heliand" and "Genesis" as well as of the minor Low German prose documents of the 9th and 10th centuries, based on Otto Basler, *Altsachsisch* (Freiburg, 1923). *Five hours a week, one quarter on application.* Professor Metzenthin.

251. *HISTORY OF GERMAN LITERATURE FROM 1500 TO 1759. Credit: 1 course.

Stress is laid on the religious (polemic, lyric) literature of the German reformation in the 16th century, with Luther as the spiritual center and as the founder of the modern German language; on the overwhelming influence of foreign literature during the 17th century; and on the reaction in the first half of the 18th century. *Five hours a week, one quarter on application.* Professor Metzenthin.

* NOTE: Courses 51, 101-102, 103-104, 111, 201, 203, 207, 211, 221, 223, 225, 251 will be given if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small. Of courses 221, 223, 225, 251 only one will be given in any quarter.

DEPARTMENT OF HISTORY AND GOVERNMENT

Professors *CONNOR, HAMILTON, WAGSTAFF, PIERSON, WOODHOUSE, GARRETT, CALDWELL, MACKINNEY; Associate Professors *FRASER, GREEN; Assistant Professors JENKINS, CRITTENDEN, ROBSON; Instructors RUSSELL, JOHNSON, POUND, BRITT, PARKER, PEGG; Teaching Fellows ANDERSON, HUNNICUTT, GRUBBS

HISTORY**

Courses for Undergraduates

1-2-3. FOUNDATIONS OF MODERN HISTORY. Credit: 1½ courses. A general course dealing with the fundamental factors in modern civilization in Europe and the United States. The emphasis of the course will rest upon the commercial revolution, European expansion, the Protestant Revolt, colonial and dynastic rivalry, the Old Regime, the French Revolution, the Industrial Revolution, the rise of democracy, the growth of modern imperialism, and the course of modern international relations. Textbooks and readings. *Three hours a week, every quarter.* Professors Garrett, MacKinney, Green, Crittenden; Messrs. Pegg, Russell, Johnson, Pound, Britt, Parker.

Note. History 1-2-3 or the equivalent are prerequisite to all other courses in this department.

12. AMERICAN BIOGRAPHY. Credit: 1 course. A general survey of the lives of a selected group of distinguished Americans and a study of their influence upon the history of the United States. Lectures, readings, and reports. *Five hours a week, spring quarter.* Professor Green.

41-42. ANCIENT HISTORY: GENERAL COURSE. Credit: 2 courses. A course dealing with the history of the Orient, Greece, and Rome to the time of Constantine. Particular attention will be paid to social and economic conditions and cultural and religious developments. *Five hours a week, winter and spring quarters.* Professor Caldwell.

45-46. ENGLISH HISTORY: GENERAL COURSE. Credit: 2 courses. The purpose of this course is to convey a good working knowledge of English history and broaden it into a survey of the part the Anglo-Saxon race has played in world history. Textbook, readings, and lectures. *Five hours a week, fall and winter quarters.* Professor Wagstaff.

47-48. AMERICAN HISTORY: GENERAL COURSE. Credit: 2 courses. A general survey of the history of the United States, European background, discovery and exploration, colonization, revolution, independence, federation,

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* Absent on Leave, 1931-1932.

** NOTE: Regulations as to undergraduate majors in the Department of History and Government:

1. History courses 12-40, inclusive, and Government courses 21-22, except as provided below, are not to be credited towards fulfilling the requirements of the major.

2. The major in History and Government shall consist of eight approved courses; provided, however, that the Department may reduce this requirement to six, (a) in the Division of European History for students who have passed with distinction (i. e. with a grade of A or B) either History 41-42 or History 45-46; (b) in the Division of American History for students who have passed with distinction History 47-48; (c) to seven courses in the Division of Government for students who have passed with distinction either Government 21 or Government 22 and to six courses for students who have passed with distinction both of these courses.

3. For purposes of the major, the courses of the Department will be considered as having been divided into three "Divisions of Specialization:" (1) the Division of European History, (2) the Division of American History, and (3) the Division of Government.

4. Having chosen his "Division of Specialization," the student must take at least five out of his eight courses from that division, but this number may be reduced to four in the case of students who may be credited as stated above with History 41-42, History 45-46, History 47-48, and with Government 21 or Government 22. The remaining courses of his major he may elect from the other two divisions.

5. The credit allowed for reading for honors may be applied to the fulfillment of the requirements for the major.

western expansion, democracy, slavery, civil war, reconstruction, business and politics, progressive movement, and world politics. Lectures, textbooks, and readings. *Five hours a week, fall and winter or winter and spring quarters.* Professor Crittenden.

51. THE ORIENT AND EARLY GREECE. Credit: 1 course.

An advanced course in the history of the Bronze Age in the Mediterranean, the beginning of civilization in Egypt, Babylonia, Syria and Palestine, and Crete, and the history of their development down to the time of the Persian Empire. Attention will be given to the hieroglyphics and cuneiform scripts, to economic conditions, governments and law, artistic and literary achievements, and religion. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Caldwell.

52. GREECE: THE CLASSICAL PERIOD. Credit: 1 course.

A history of the classical period of Ancient Greece: the Homeric Age, the Expansion of the Hellas, the Renaissance of the Aegean, the Fifth and Fourth Centuries to the death of Alexander. Particular attention will be given to the growth of democracy, social and economic aspects, artistic, literary, and religious developments. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

53. HELLENISTIC GREECE AND THE ROMAN REPUBLIC. Credit: 1 course.

A survey of the world into which Rome entered; the political, economic, and social conditions of the Eastern Mediterranean; Hellenistic art, literature, and religion; the establishment and growth of the Roman Republic; Roman expansion throughout the Mediterranean; the growth of Roman culture; the Roman Revolution; and the foundation of the Empire. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Caldwell.

54. THE ROMAN EMPIRE AND THE EARLY MIDDLE AGES. Credit: 1 course.

A survey of history from Augustus to Charlemagne; the organization and administration of the Roman Empire; social, economic, and religious conditions and developments; the collapse of ancient civilization; the Germanic invasions; the foundation of feudalism and the Medieval Church; Charlemagne and the Empire. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

64. EARLY MEDIEVAL EUROPE: THE "DARK" AGES, (500-1000). Credit: 1 course.

The Germanic kingdoms after the breakup of the Western Roman Empire; the Frankish Empire and the Papacy; Charlemagne; breakup of the Carolingian Empire; renewed invasions; beginnings of feudalism; the civilization and culture of the "Dark" Ages; the Church, schools, the arts, literature. *Five hours a week, fall quarter.* Professor MacKinney.

65. EUROPE IN THE CRUSADING AGE (1000-1300). Credit: 1 course.

The rise of national monarchies, of chivalry, of towns, and the Church; the expansion of Europe in the Crusades and the accompanying expansion of political, economic, religious, and cultural life; the struggle between Church and State; the rise of Universities; Romanesque and Gothic architecture; literature; the climax of medieval civilization in the XII and XIII Centuries. *Five hours a week, winter quarter.* Professor Mackinney.

66. THE RENAISSANCE (1300-1600). Credit: 1 course.

The evolution of modern civilization in Italy and the transalpine countries; the blending of medieval and classical elements; the political and economic background; the rise of national states and vernacular literatures; the arts; literature; humanism; education; discovery and invention. *Five hours a week, spring quarter.* Professor MacKinney.

81. THE AMERICAN COLONIES, 1606-1689. Credit: 1 course.

A general survey of the European background of American society and institutions and the rival territorial claims of the colonizing nations; followed by an

intensive study of the influences and motives behind English colonization in America, the founding of England's continental colonies, their political, social, and economic development, and their relations to each other and to the British Empire as a whole. Lectures, readings, and reports. *Five hours a week, fall quarter.* Professor Connor.

82. THE AMERICAN COLONIES, 1689-1783. Credit: 1 course.

A general survey of the colonies as a whole at the opening of the eighteenth century, followed by an intensive study of their social, economic, and political development, immigration, conquest, and westward expansion; their imperial relations and part in international rivalries; constitutional controversies and development of colonial self-government; intercolonial relations, revolution and independence; Federal relations and the formation of the American Union. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Connor.

91. THE UNITED STATES AND LATIN AMERICA. Credit: 1 course.

A course concerned with the diplomatic relations developed between the states of the Western Hemisphere from 1810 to the present. The chief interest will be in the relations of the United States and the Latin American countries. In the course such topics will be treated as the problems of recognition, the Monroe Doctrine, expansion, intervention, "headship" of the United States, Pan-Americanism, arbitration, trade and cultural relations. Lectures, readings, and reports. *Five hours a week, spring quarter.* Professor Pierson.

Courses for Graduates and Advanced Undergraduates

101. PERIOD STUDIES IN GREEK HISTORY. Credit: 1 course.

This course will be devoted to an intensive study of the sources, literature and historical problems of a selected period of Greek History. For the year 1931-1932 attention will be directed to the history of the Greek World from the end of the Peloponnesian War, 404 B.C., to the battle of Chæeonea in 338 B.C., with special interest in the social and economic phases of the period. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Caldwell.

102. PERIOD STUDIES IN ROMAN HISTORY. Credit: 1 course.

A course in a selected period of Roman History, given for the same class of students and under the same conditions as History 101. The period to be treated in 1932-1933 will be the Augustan Age. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Caldwell.

121. MEDIEVAL CIVILIZATION. Credit: 1 course.

An intensive study of the classical cultural heritage of the Middle Ages; medieval "revivals" of learning during the eras of Theodoric the "Civilizer," Charlemagne, Alfred, Otto I, and the eleventh-twelfth centuries; the problem of the cultural "Dark Age" and "Renaissance"; the evolution of medieval culture; ecclesiastical and secular architecture; sculpture and painting; the literature of the clergy, nobility, and common folk; historical writing, science, philosophy; the development of schools and universities; music. Lectures, library reading, and reports. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor MacKinney.

122. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. Credit: 1 course.

An intensive study of the social and economic life of the medieval clergy, nobility, city folk, and peasantry; agricultural life and the development of the manorial system; industrial life and the rise of craft guilds; local and distant commerce; fairs, trade-routes, and the development of business technique; merchant guilds and leagues; the influence on social-economic life of the decline of Rome, the coming of the Teutons, the Church, the Crusades, and voyages of discovery. Lectures, library reading, and reports. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor MacKinney.

131. THE PROTESTANT REVOLT. Credit: 1 course.
An intensive study of religious, political, intellectual, and economic conditions on the eve of the Protestant Revolt, of the movements led by Luther, Zwingli, Calvin, Knox, and Henry VIII, and of the Catholic Reformation. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE. Credit: 1 course.
A detailed study of the Thirty Years War, France under Henry IV, Richelieu, Mazarin, and Louis XIV, the rise of Prussia, Sweden from Gustavus Adolphus to the death of Charles XIII, the decline of Poland and Turkey, and the development of Russia to the death of Peter the Great. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Garrett.

133. THE FRENCH REVOLUTION. Credit: 1 course.
An intensive study of the causes, events, and results of the French Revolution. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Garrett.

134. THE NAPOLEONIC PERIOD. Credit: 1 course.
A detailed study of the chief events and movements of the Napoleonic period. Particular attention will be paid to the immediate effects of the period on the states surrounding France and to the permanent results of the period in Europe. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Garrett.

135. RISE OF DEMOCRACY AND NATIONALISM IN MODERN EUROPE. Credit: 1 course.
An intensive study of the period of restoration and reaction, the revolutions of 1830 and 1848, the rise of socialism, the unification of Italy and of Germany, France under Louis Philippe, the Second French Republic, and Napoleon III. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY. Credit: 1 course.
A study of the recent history of France, Germany, Italy, Austria-Hungary, and Russia, the causes of the Great War, the chief events of the war, the treaties of peace, the attempt to organize the world after the war, and recent movements in Europe. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Garrett.

137. ENGLAND IN THE NINETEENTH CENTURY. Credit: 1 course.
The purpose of this course is to effect an intensive treatment of a relatively short period of English history, that from 1815 to 1915. The course will develop England's national and imperial story, her international relations, and her contributions to the history of the age. Lectures and readings. *Five hours a week, spring quarter.* Professor Wagstaff.

151. THE FEDERAL PERIOD (1783-1815). Credit: 1 course.
An intensive study is made of the government under the Articles of Confederation, the formation and adoption of the Federal Constitution, the launching of the government, Jeffersonian democracy, the westward movement, and the Second War for Independence. Lectures, readings, and reports. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Green.

152. THE ANTE-BELLUM PERIOD (1815-1860). Credit: 1 course.
A social, economic, and political study of the period—the westward movement, states' rights philosophy, Jacksonian democracy, development of Nationalism, controversy over negro slavery, the rise of Southern Rights, and the causes of the war for Southern Independence. Lectures, readings, and reports. (1931-1932 and alternate years.) *Five hours a week, fall quarter.* Professor Green.

153. SECESSION AND CIVIL WAR. Credit: 1 course.
Beginning with a rapid survey of the states' rights theory and of the secession movement before 1860, the course deals with the important constitutional,

political, and economic aspects of the Civil War in the United States. Lectures, readings, and reports. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

154. THE RECONSTRUCTION PERIOD. Credit: 1 course.

A course dealing with the constitutional, political, social, and economic aspects of the period from the close of the Civil War in 1865 to the restoration of home rule in the South in 1877. Lectures, readings, and reports. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

155. RECENT AMERICAN HISTORY, 1876-1898. Credit: 1 course.

In this course emphasis will be placed upon the influence of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff legislation; the trust problem; foreign relations; the Spanish-American War and its results; party politics; political dissent; and interpretation of democracy. Lectures, textbooks, and readings. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Pierson.

156. RECENT AMERICAN HISTORY, 1898-1920. Credit: 1 course.

Continuation of History 155. A course dealing with the political, economic, social, and diplomatic history of the United States from 1898 to 1920. Conservatism, moderation, and radicalism in politics and economics; social legislation; American imperialism and increased participation in international relations; the World War; and the problems of peace. Lectures, textbooks, and readings. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Pierson.

157. HISTORY OF CANADA. Credit: 1 course.

A general survey of the colonization, settlement, and political development of Canada. Emphasis will be placed upon social and economic factors, the dominion government, westward expansion, and relations with the United States and England. Textbook, lectures, and readings. *Five hours a week, spring quarter.* (1933-1934 and alternate years.) Professor Green.

161. NORTH CAROLINA, 1663-1789. Credit: 1 course.

General survey of the settlement of North Carolina and its territorial expansion; the origin and development of its political institutions; the influences affecting its growth and development; immigration and the development of social and economic life; political and constitutional controversies; intercolonial and imperial relations; revolution and independence; the adoption of a constitution and organization of the state government; Federal relations and formation of the Federal Union. Lectures, readings, and reports. *Five hours a week, fall quarter.* Professor Connor.

162. NORTH CAROLINA, 1789-1900. Credit: 1 course.

General survey of conditions at the close of the 18th century; origin and development of political parties; sectional controversies; political and constitutional development; education, internal improvements, and railroads; Federal relations; the slavery controversy; secession, civil war and reconstruction; restoration of home rule; the rise of populism; the era of fusion; "white supremacy"; recent political, educational, and industrial development. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Connor.

163. THE SOUTH, 1789-1860. Credit: 1 course.

A course dealing with the Southern States in the period preceding the Civil War, in which emphasis will be laid upon social, economic, and political organization and movements. Lectures, readings, and reports. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

164. THE SOUTH, 1877-1925. Credit: 1 course.

A course which deals with the economic, social, and political development of the Southern States since the close of Reconstruction. Emphasis will be laid upon the rise of industry in the South and its results. Lectures, readings, and reports. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

165. HISTORY OF THE WEST. Credit: 1 course.
A study of the westward movement of civilization from 1763 to the opening of the 20th Century in the area now comprising the United States; the conditions and processes of migration into the various areas; and the social, economic, and political influence of the frontier. Textbook, lectures, readings, and reports. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Green.

166. THE FRONTIER IN AMERICAN HISTORY. Credit: 1 course.
A study of the general significance of the frontier in American civilization; the problems of the West, its contributions to American Democracy, Western ideals, and the reaction of the frontier influences upon the East. Lectures, readings, and reports. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Green.

167. ECONOMIC HISTORY OF THE UNITED STATES. Credit: 1 course.
This course will deal with the economic materials, institutions, conflicts, and transitions in the history of the United States from its origin as a part of the British Economic Empire to its development as one of the economic powers in the present world, with some regard for the social and political implications involved in this development. *Five hours a week, spring quarter.* Professor Crittenden.

168. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (Education 143). Credit: 1 course.
The social and educational institutions and practices of the United States are traced through: (a) The period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Textbook, lectures, investigations, and reports. *Five hours a week, fall or spring quarter.* Professor Knight.

Courses for Graduates

201ab. HISTORIOGRAPHY. Credit: 1 course.
Lectures, conferences, readings, and reports. The first quarter will be concerned with methods of research. schools of interpretation, and the interrelation of history with the other social sciences. The second quarter will be a seminar in the history and bibliography of history. Required of all graduate students in history and government. *Three hours a week, fall and winter quarters.* Professor Caldwell.

211. THE ENGLISH BACKGROUND OF THE AMERICAN REVOLUTION. Credit: 1 course.
A survey of England's eighteenth century political, social, and economic conditions and their relations to the American Revolution. Lectures and reports. *Five hours a week, fall quarter.* Professor Wagstaff.

220. PRELIMINARIES OF THE AMERICAN REVOLUTION. Credit: 1 course.
A study of the background and causes of the American Revolution. Lectures and reports. (1932-1933 and alternate years). *Five hours a week, spring quarter.* Professor Connor.

221. THE WAR OF AMERICAN INDEPENDENCE. Credit: 1 course.
A study of its political, social, and economic aspects. Lectures, readings, and reports. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Connor.

271. HISPANIC-AMERICAN HISTORY: The Colonial Period and the Wars of Independence. Credit: 1 course.

In this course a general survey will be made of Spanish and Portuguese America from the establishment of colonial settlements through the wars of independence. A study of the transplantation of Hispanic civilization in language, customs, religion, trade, and political institutions; Indian relations; labor and social conditions; education and industry; the causes and events of the struggles for independence. Lectures and readings. *Five hours a week, fall quarter.* Professor Pierson.

272. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America. Credit: 1 course.

The modern history of Argentina, Brazil, Chile, Uruquay, Paraguay, Peru, Boliva, and Ecuador. Attention will be directed to the establishment of these republics, the evolution of their political theory; the struggle for political stability, the exploitation of resources, the diplomatic and commercial relations with the United States and Europe, the international problems of South America, the contemporary progress in politics and society. Lectures and readings. (1931-1932 and alternate years.) *Five hours a week, winter quarter.* Professor Pierson.

273. HISPANIC-AMERICAN HISTORY: Hispanic North America and the Caribbean Countries. Credit: 1 course.

Emphasis in this course will be placed upon the same general factors as in History 272. The diplomatic and commercial relations of the United States and Mexico, the insular republics, the Central American countries, and Colombia, Panama, and Venezuela will receive special attention. Lectures and readings. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Pierson.

301abc. ANCIENT HISTORY. Credit: 1½ courses.

A seminar in some phase of ancient history. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Caldwell.

311abc. MEDIEVAL HISTORY. Credit: 1½ courses.

A seminar in some phase of the medieval social history. *Conference, one hour a week, fall, winter, and spring quarters.* Professor MacKinney.

321abc. MODERN EUROPEAN HISTORY. Credit: 1½ courses.

A seminar in some phase of the Napoleonic period. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Garrett.

331abc. AMERICAN COLONIAL HISTORY. Credit: 1½ courses.

A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Connor.

333abc. HISTORY OF THE UNITED STATES, 1783-1860. Credit: 1½ courses.

A seminar in some phase of the history of the United States, 1783-1860. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Green.

341. SEMINAR COURSE. Credit: 1 course.

A research course in a special field under the direction of a member of the department.

370abc. HISPANIC-AMERICAN HISTORY. Credit: 1½ courses.

A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Pierson.

GOVERNMENT*

Courses for Undergraduates

21. THE GOVERNMENT OF THE UNITED STATES. Credit: 1 course.

A general course dealing with the national government of the United States. Attention will be directed to the constitutional basis, the historical development, and the practical organization and operation of the institutions established for

* For the regulations governing the undergraduate major in Government see page 122, note.

administering national affairs. Textbook, lectures, discussions, and readings. *Five hours a week, each quarter.* Professors Frazer, Robson, Jenkins.

22. THE GOVERNMENTS OF EUROPE. Credit: 1 course.

It is the purpose of this course to study the operation of the constitutional systems of the principal European governments. Emphasis is placed upon the governments of England and France. Textbook, lectures, readings. *Five hours a week, winter or spring quarter.* Professor Frazer or Professor Robson.

Courses for Graduates and Advanced Undergraduates

121. THE GOVERNMENT OF ENGLAND. Credit: 1 course.

The objective in this course is a knowledge of the development and operation of the English government. Local, national, and imperial aspects of England's governmental practice will receive attention. Resemblances and contrasts between her government and that of our own country will be pointed out for the practical lessons which the parallel supplies. Lectures and readings. *Five hours a week, spring quarter.* Professor Wagstaff.

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES. Credit: 1 course.

A general consideration of principles and methods of social control in the municipalities of Great Britain, France, and Germany, with some attention to those of other nations. Comparisons with American conditions. *Five hours a week, spring quarter.* Professor Woodhouse.

131. AMERICAN STATE GOVERNMENT. Credit: 1 course.

A study in the principles, organization, and administrative methods of state government. In connection with the course will be a special study of the government of North Carolina. Lectures, readings, and reports. *Five hours a week, winter or spring quarter.* Professor Jenkins.

132. AMERICAN MUNICIPAL GOVERNMENT. Credit: 1 course.

An historical survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions, with special attention to city and town government in North Carolina. Each student will make an intensive study of his own or of some other city or town. *Five hours a week, fall quarter.* Professor Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION. Credit: 1 course.

Special study of the principles and problems of administration in American municipal corporations, of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina. Each student will select and study exhaustively a municipal problem in one municipality. *Five hours a week, fall quarter.* Professor Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION. Credit: 1 course.

A study of the forms of organization, the functions, and the operation of County Government in the United States and especially in North Carolina, in their historical development but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study, as extensively and as intensively as possible, the government and administration of one county, preferably his home county, and to put his results in essay form. Textbooks, lectures, and readings. *Five hours a week, spring quarter.* Professor Woodhouse.

141. INTERNATIONAL LAW. Credit: 1 course.

A study will be made of the rules observed by the states of the world concerning their relations in peace and in war. Lectures and the preparation of typical cases by the students. *Five hours a week, fall quarter.* Professor Frazer or Professor Robson.

142. INTERNATIONAL RELATIONS. Credit: 1 course.
The problems of nationalism and internationalism, of imperialism, and the settlement of international conflicts will be considered in this course. It is designed to introduce the student to the basic facts of world politics. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Frazer or Professor Robson.

143. AMERICAN DIPLOMACY. Credit: 1 course.
The course will be concerned with a survey of the diplomatic relations of the United States from the period of the American Revolution to the World War. Particular attention will be directed to the development of American foreign policies and American contributions to International Public Law. Lectures and reports. *Five hours a week, spring quarter.* Professor Frazer or Professor Robson.

151. THE ELEMENTS OF POLITICAL SCIENCE. Credit: 1 course.
A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the subject will be made, supplemented by students' reports on selected political theorists. Lectures, textbooks, and readings. *Five hours a week, fall quarter.* Professor Pierson.

152. HISTORICAL JURISPRUDENCE. Credit: 1 course.
A survey of the historical development of Roman and Anglo-American law, with some consideration of their relations to the Babylonian, Greek, Hebrew, and other systems of law, and with special consideration of their influence in the modern world. *Five hours a week, winter quarter.* Professor Woodhouse.

153. POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY. Credit: 1 course.
An analysis of political thought and philosophy, 1750-1800. Emphasis will be placed on the study of the philosophical ideas of the American and French Revolutions. Lectures and reports. *Five hours a week, winter quarter.* Professor Pierson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION. Credit: 1 course.
A general course surveying the origin and development of the constitutional machinery of the British monarchy. Emphasis will be laid on the successive constitutional landmarks from the Norman Conquest to the Parliament Act of 1911. Lectures, textbooks, and readings. *Five hours a week, winter quarter.* Professor Wagstaff.

155. THE CONSTITUTION OF THE UNITED STATES. Credit: 1 course.
An elementary course in constitutional law covering by means of lectures, textbooks, and cases the fundamental principles of constitutional interpretation and practice in the United States. *Five hours a week, fall quarter.* Professor Jenkins.

Courses Primarily for Graduates

301abc. MODERN INTERNATIONAL RELATIONS. Credit: 1½ courses.
Seminar. An analysis will be made of the major problems of international relations. Emphasis will be placed upon the elements of nationalism and internationalism, imperialism, and the settlement of international disputes. *Two hours a week, fall, winter, and spring quarters.* Professor Frazer.

311abc. AMERICAN POLITICAL THEORY. Credit: 2 courses.
A seminar course respecting the political philosophy that has been developed in the United States. In the fall quarter the political theory of the colonial period and the American Revolution will be studied; in the winter quarter attention will be given to the theories associated with the formation of the Constitution and its early interpretation, the nature of the Union, and the

slavery dispute; in the spring quarter the political theory of the Civil War and the contemporary United States will be considered. Lectures, readings, and reports. *Two hours a week, fall, winter, and spring quarters.* Professor Pierson.

321abc. STATE AND LOCAL GOVERNMENT. Credit: 1½ courses.
Seminar course respecting the various functions, organs, and problems of public administration in the States and in their sub-divisions. Comparison of various attempts to reorganize state administrative systems. *Two hours a week, fall, winter, and spring quarters.* Professor Woodhouse.

341. SEMINAR COURSE. Credit: 1 course.
A research course in a special field under the direction of a member of the department.

DEPARTMENT OF JOURNALISM

PROFESSOR COFFIN

30. COLLEGE REPORTING. Credit: ½ or 1 course.
A course with a maximum credit of one full course for reporting done on the student daily under the supervision of the Department of Journalism.

31. COLLEGE EDITING. Credit: ½ or 1 course.
A similar credit course for those who do the editorial work of the student newspaper.

53. NEWS WRITING. Credit: 1 course.
A course in elementary news writing devoted to practical work in the classroom. Prerequisite for Journalism 2. *Five hours a week, fall quarter. Laboratory fee, $2.00.* Professor Coffin.

54. NEWS WRITING. Prerequisite, Journalism 1 or the equivalent. Credit: 1 course.
A continuation of the work in Journalism 1, with the addition of some copy-reading. Prerequisite for Journalism 3. *Five hours a week, winter quarter. Laboratory fee, $2.00.* Professor Coffin.

55. NEWS WRITING. Prerequisite, Journalism 1 and 2. Credit: 1 course.
A continuation of Journalism 2, with more emphasis on head-writing and assignments. *Five hours a week, spring quarter. Laboratory fee, $2.00.* Professor Coffin.

56ab. FEATURE WRITING. Credit: ½ course each quarter.
A course for advanced students in the production of feature stories and feature articles, with a view to making them marketable. Either half may be taken independently. *Three hours a week, winter and spring quarters.* Professor Coffin.

57. NEWS METHODS AND TREATMENTS. Credit: ½ course.
A study of contemporary newspapers and of prevailing methods of handling news. Desk work. *Three hours a week, fall quarter.* Professor Coffin.

58. EDITORIAL WRITING. Credit: ½ course.
Comparative examination of policies and relations. Editorial writing. *Three hours a week, spring quarter.* Professor Coffin.

59. WEEKLY NEWSPAPER EDITING. Credit: ½ course.
A study of the functions of the weekly newspaper, with practical instruction in meeting the problems of the neighborhood news medium. *Three hours a week, winter or spring quarter.* Professor Coffin.

DEPARTMENT OF LIBRARY SCIENCE

Professors *WILSON, CONEY; Associate Professors DOWNS, AKERS; Assistant Professor BEUST

Courses for Undergraduates

Courses 111, 121, 151, 154 may be taken by Liberal Arts students of senior standing with the approval of the director of the School of Library Science. Course 155 is open to students in the School of Commerce with the approval of its administrative board and of the director of the School of Library Science.

For a full description of these courses see Part Five of this catalog.

Senior students in the School of Education may take a minor, or electives in the School of Library Science. The minor is composed of courses approved by the director of the school.

111. REFERENCE AND BIBLIOGRAPHY. Credit: 1 course.
Five hours a week, fall quarter. Professor Downs.

121. PRINCIPLES OF BOOK SELECTION. Credit: 1 course.
Five hours a week, fall quarter. Professor Beust.

151. HISTORY OF BOOKS AND LIBRARIES. Credit: 1 course.
Five hours a week, spring quarter. Professor Coney.

154. THE LIBRARY MOVEMENT IN THE SOUTH. Credit: ½ course.
Three hours a week, spring quarter. Professor Wilson.

155. INDEXING AND CARE OF SPECIAL MATERIAL. Credit: ½ course.
Three hours a week, spring quarter. Professor Akers.

DEPARTMENT OF MATHEMATICS

Professors HENDERSON, LASLEY, HOBBS; Associate Professors WINSOR, MACKIE, BROWNE, J. B. LINKER; Assistant Professors HILL, HOYLE, GARNER; Instructors CAMERON, GARRETT; Teaching Fellows J. D. LINKER, WALL

Courses for Undergraduates

1-2. INTRODUCTORY MATHEMATICS. Required of Freshmen. Credit: 2 courses.

PART 1. A systematic development of the notion of algebraic functions: linear functions, quadratic functions, and functions of higher degree. The rate of change of functions. Functions changing at a given rate.

PART 2. A continuation of the development of the function idea, extending the notion so as to include transcendental functions such as the exponential and logarithmic functions, trigonometric functions, and the applications of the latter to the solution of triangles. *Five hours a week, each course every quarter.* Professors Henderson, Lasley, Hobbs, Mackie, Browne, J. B. Linker, Hill, Hoyle, Garner; Messrs. Cameron, Garrett, J. D. Linker, Wall.

1s-2s-3s. INTRODUCTORY MATHEMATICS. Required of Freshmen in the School of Applied Science. Credit: 1½ courses.

The content of these three courses is exactly that of the two courses 1 and 2. *Three hours a week, fall, winter, and spring* (1931-1932 only). Professors Lasley, Mackie, Browne, J. B. Linker.

* Resigned, January 1932.

1E. PLANE TRIGONOMETRY AND PRACTICAL MEASUREMENTS. Required of Freshmen in Engineering Courses. Credit: 1 course.

Solution of right and oblique triangles by logarithms, with problems drawn from engineering practice. Selected theorems from solid geometry with special emphasis on the sphere. *Five hours a week, fall quarter.* Professors Hobbs, Winsor, J. B. Linker, Hill, Garner; Mr. Garrett.

NOTE: Freshmen in engineering who present evidence of having completed satisfactorily solid geometry and plane trigonometry will be assigned to more advanced work.

2E. SPHERICAL TRIGONOMETRY AND ALGEBRA. Required of Freshmen in Engineering Courses. Credit: 1 course.

Solution of right and oblique spherical triangles. A study of the elementary functions from the point of view of their graphical representation and differentiation. *Five hours a week, winter quarter.* Professors Hobbs, Winsor, J. B. Linker, Hill, Garner; Mr. Garrett.

3E. ANALYTIC GEOMETRY. Required of Freshmen in Engineering Courses. Credit: 1 course.

A treatment of the straight line, circle, conic sections, special plane curves, transformation of coördinates. *Five hours a week, spring quarter.* Professors Hobbs, Winsor, J. B. Linker, Hill, Garner; Mr. Garrett.

13. ANALYTIC GEOMETRY. Prerequisite, Mathematics 1-2. Credit: 1 course.

A course in the fundamentals of analytical geometry: the straight line, circle, parabola, ellipse, hyperbola, higher plane curves, transformations of coördinates, geometry of space. *Five hours a week, every quarter.* Professors Hoyle, Garner; Mr. Cameron.

24. DIFFERENTIAL CALCULUS. Prerequisite, Mathematics 1-2 and 13. Credit: 1 course.

A study of the differentiation process and its application to geometry, physics, and mechanics, including the notions of curvature, partial differentiation, envelopes, series, expansion of functions, etc. *Five hours a week, every quarter.* Professors Hoyle, Garner; Mr. Cameron.

24E. CALCULUS I FOR ENGINEERING STUDENTS. Required of Sophomores in Engineering Courses. Prerequisite, Mathematics 13 or 3E. Credit: 1 course.

A study of the derivative and its applications to geometry and mechanics, expansion of functions, partial differentiation. *Six hours a week, fall quarter.* Professors Winsor, J. B. Linker, Hill.

25. INTEGRAL CALCULUS. Prerequisite, Mathematics 24. Credit: 1 course.

This course centers around the idea of the definite integral, considering in detail problems arising in geometry and the physical sciences, including length of curves, areas, volumes, moment of inertia, etc. *Five hours a week, every quarter.* Professors Hoyle, Garner; Mr. Cameron.

25E. CALCULUS II FOR ENGINEERING STUDENTS. Required of Sophomores in Engineering Courses. Prerequisite, Mathematics 24E. Credit: 1 course.

The definite integral and its applications. *Six hours a week, winter quarter.* Professors Winsor, J. B. Linker, Hill.

26E. CALCULUS III FOR ENGINEERING STUDENTS. Required of Sophomores in Engineering Courses. Prerequisite, Mathematics 25E. Credit: 1 course.

Engineering problems involving the calculus, together with an elementary treatment of the differential equations. *Six hours a week, spring quarter.* Professors Winsor, J. B. Linker, Hill.

56. ADVANCED GEOMETRY. Credit: 1 course.
The geometry of the triangle and circle, inversion, poles, and polars. *Five hours a week, fall quarter.* Professor Winsor.

57. ADVANCED ALGEBRA.
An advanced course in algebra for students who intend to teach elementary mathematics or to pursue advanced study in the subject. The course includes the fundamental operations, systems of equations, equations of higher degree, permutations, combinations, probability, series, theory of equations, and elimination. *Five hours a week, winter quarter.* Professor Winsor.

Courses for Graduates and Advanced Undergraduates

103. INTRODUCTION TO HIGHER GEOMETRY. Prerequisite, Mathematics 25. Credit: ½ course.
This is a teacher's course for graduate credit, especially devised for teachers who are candidates for the A.M. degree. The course deals with the properties of the triangle and circle from the modern point of view, poles and polars, harmonic division, transformation by reciprocal radii, Brocard points and circles, etc. (Summer 1933 and alternate years.) Professor Henderson.

104. INTRODUCTION TO ADVANCED ALGEBRA. Prerequisite, Mathematics 25. Credit: ½ course.
This course supplements Mathematics 103. It is designed especially for teachers, and serves to bridge the gap between elementary algebra and Mathematics 246. Selected topics in advanced algebra, including such subjects as linear and quadratic forms, limits and series, complex numbers, elementary groups, etc. (Summer 1932 and alternate years.) Professor Henderson.

105. HISTORY OF MATHEMATICS. Credit: ½ course.
The historical development of topics of elementary mathematics up to and including the calculus. Biographical sketches of great mathematicians and their contributions to mathematics. (Summer 1932 and alternate years.) Professor Lasley.

106. THE TEACHING OF MATHEMATICS. Credit: ½ course.
The purpose, value, and content of courses in high school mathematics; applications of mathematics; junior high school mathematics. Recent changes in the methods of studying mathematics. A careful study will be made of the recommendations of The National Committee on Mathematical Requirements. (Summer 1932 and alternate years.) Professor Browne.

121. THEORETICAL MECHANICS. Credit: ½ course.
An introductory course in mechanics employing the methods of the calculus. (Summer 1933 and alternate years.) Professor Hobbs.

131. THEORY OF EQUATIONS. Prerequisite, Mathematics 25. Credit: 1 course.
Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degree, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations. *Five hours a week, winter quarter.* Professor Linker.

141. DIFFERENTIAL EQUATIONS. Prerequisite, Mathematics 24 and 25, or 24E and 25E. Credit: 1 course.
This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical, and chemical. Among the subjects treated are singular solutions, applications to mechanics, geometry, and physics, linear equations with both constant and variable co-efficients, equations involving more than two variables, partial differential equations, and spatial forms. *Five hours a week, fall quarter.* Professor Browne.

150. SYNTHETIC PROJECTIVE GEOMETRY. Prerequisite, Mathematics 25. Credit: 1 course.

A geometric account of the fundamental notions of projective geometry: one-to-one correspondence, dimensionality, projective correspondence between forms of one and two dimensions, poles and polars, involution, projective and metric theory of conics. (Summer 1933 and alternate years.) Professor Lasley.

151. PROJECTIVE HOMOGENEOUS COORDINATES AND THEIR APPLICATIONS. Prerequisite, Mathematics 25. Credit: 1 course.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry. *Five hours a week, fall quarter.* Professor Lasley.

152. ANALYTIC PROJECTIVE GEOMETRY. Prerequisite, Mathematics 151. Credit: 1 course.

The projective theory of binary forms; the conic as a rational curve; the conic as a ternary form; the conic from the viewpoint of the theory of correlations; functional determinants and invariants; selected topics from higher geometry. *Five hours a week, winter quarter.* Professor Lasley.

161. ANALYTIC GEOMETRY OF SPACE. Prerequisite, Mathematics 25. Credit: 1 course.

Spatial relations are treated from the analytic standpoint. Deals with quadric surfaces, envelopes, foci, quadriplanar and tetrahedral coördinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc. *Five hours a week, winter quarter.* Professor Henderson.

171. ADVANCED CALCULUS. Prerequisite, Mathematics 25. Credit: 1 course.

This course completes and rounds out the subject as given in Mathematics 25. Stress upon rigor in demonstration. Designed to meet the particular needs of the class, e.g., problem course on study of special functions. Thorough knowledge of calculus is the aim of the course. *Five hours a week, winter quarter.* Professor Mackie.

Courses Primarily for Graduates

206. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. Prerequisite, Mathematics 131, 141, and 171. Credit: 1 course.

Complex numbers, differentiation and integration, conformal mapping, linear fractional transformations, single and multiple valued functions. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Mackie.

211. VECTOR ANALYSIS. Prerequisite, Mathematics 121, 141, and 161. Credit: 1 course.

A study of some of the general principles of mechanics in the language of vectors. *Five hours a week, fall quarter.* Professor Hobbs.

216. DYNAMICS. Prerequisite, Mathematics 211. Credit: 1 course.

Differential equations of motion, equations of orbits, D'Alembert's principle, motion of a rigid body. *Five hours a week, winter quarter.* Professor Hobbs.

221. PARTIAL DIFFERENTIAL EQUATIONS. Prerequisite, Mathematics 141. Credit: 1 course.

Partial differential equations and their applications. *Five hours a week, spring quarter.* Professor Hobbs.

226. FOUNDATIONS OF GEOMETRY. Prerequisite, Mathematics 151. Credit: 1 course.

A course designed to meet the needs of students experienced in mathematical thinking. A survey of the contributions of Pasch, Peano, Hilbert, and their school to our knowledge of the foundations of geometry; a study of the axioms, of systems of geometry, etc. (1933-1934 and alternate years.) *Five hours a week, winter quarter.* Professor Henderson.

231. THEORY OF NUMBERS. Prerequisite, Mathematics 131. Credit: 1 course.

An elementary course in the study of the properties of the rational integers, including the study of the question of divisibility, greatest common divisor of two or more integers, solution of simple congruences, quadratic residues, quadratic reciprocity law, representation of integers by quadratic forms, equivalence of quadratic forms, etc. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Browne.

236. HIGHER PLANE CURVES. Credit: 1 course.

A course dealing with plane curves, particularly conics, cubics, and quartics; polarity, Plücker formulas, curves of Hesse, Steiner, and Cayley; classification of cubics, intersections of curves, singularities of curves, unicursal curves. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Lasley.

241. LIE THEORY OF DIFFERENTIAL EQUATIONS. Prerequisite, Mathematics 141. Credit: 1 course.

A study of differential equations from the point of view of continuous groups. (1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Hobbs.

246. MODERN HIGHER ALGEBRA. Prerequisite, Mathematics 131. Credit: 1 course.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms. (1933-1934 and alternate years.) *Five hours a week, fall quarter.* Professor Browne.

251. ELEMENTS OF NON-EUCLIDEAN GEOMETRY. Prerequisite, Mathematics 151. Credit: 1 course.

The subject is treated chronologically. The contributions of Saccheri, Bolyai, Lobachewsky, Riemann, Cayley, Klein are studied, analyzed, and compared. *Five hours a week, fall quarter.* Professor Henderson.

256. ALGEBRAIC INVARIANTS. Credit: 1 course.

An introduction to the non-symbolic theory of invariants of binary forms with applications to geometry, followed by an explanation of the symbolic notation of Clebsch with practice in its use. Based on Dickson's *Algebraic Invariants. Five hours a week, winter quarter.* Professor Browne.

261. DIFFERENTIAL GEOMETRY. Prerequisite, Mathematics 141 and 152. Credit: 1 course.

A study of the metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms. *Five hours a week, spring quarter.* Professor Lasley.

266. THEORY OF FUNCTIONS OF A REAL VARIABLE. Prerequisite, Mathematics 131 and 171. Credit: 1 course.

The real number system from the standpoints of Cantor and Dedekind, elementary theory of point sets, limits, series, implicit functions, Riemann and Lebesgue integrals. *Five hours a week, fall quarter.* Professor Mackie.

271. INTRODUCTION TO THE THEORY OF RELATIVITY. Prerequisite, Mathematics 121 and 141. Credit: 1 course.

In this course the essential features of the special and general relativity theories of Einstein are set forth from the mathematical point of view. Particular study is made of the Lorentz transformation, the theory of tensors, the absolute differential calculus, and the three crucial tests of the theory. *Five hours a week, winter quarter.* Professor Henderson.

272. ADVANCED RELATIVITY THEORY. Credit: 1 course.

Restricted relativity, with applications to physical and electrical problems. General relativity and gravitation. Geodesics and curvature in space-time. Cosmological speculations as to a finite, unbounded universe. Theories of Ein-

stein, DeSitter, and LeMaitre. *Five hours a week, spring quarter.* Professor Henderson.

281. CALCULUS OF VARIATIONS. Prerequisite, Mathematics 266. Credit: 1 course.

A study of various kinds of minimizing problems, determining functions which minimize certain definite integrals. Isoperimetric problems. Necessary conditions for an extreme as deduced by Euler, Weierstrass, Legendre, and Jacobi, and conditions sufficient to ensure such an extreme. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Mackie.

286. PROJECTIVE DIFFERENTIAL GEOMETRY. Prerequisite, Mathematics 151 and 261. Credit: 1 course.

A study of the projective properties of curves and ruled surfaces by means of the invariants and covariants of systems of homogeneous differential equations. (1932-1933 and alternate years.) *Five hours a week,* Professor Lasley.

291. INTRODUCTION TO THE THEORY OF FINITE GROUPS. Prerequisite, Mathematics 131. Credit: 1 course.

Deals with the theory of substitutions in general, and as applied to the algebraic equation. Simple and compound groups, transitivity and primitivity. Cyclic and linear groups, linear fractional substitutions, etc. Numerous applications in algebra and geometry. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Henderson.

SEMINARS AND THESES

Credit: 1 course each.

Reading and research in mathematics conducted by members of the department, as follows:

351. Thesis work and Seminar. Professor Henderson.
356. Thesis work and Seminar. Professor Lasley.
361. Thesis work and Seminar. Professor Hobbs.
366. Thesis work and Seminar. Professor Winsor.
371. Thesis work and Seminar. Professor Mackie.
376. Thesis work and Seminar. Professor Browne.

DEPARTMENT OF MUSIC

Professor Dyer; Associate Professor McCorkle; Assistant Professors Kennedy, Woodman

Courses for Undergraduates

1. MUSIC THEORY AND FUNDAMENTALS. Credit: 1 course.

A course covering musical terminology and the theory of music notation, including a study of modes, scale structure, melodic construction, etc. *Five hours a week, fall quarter.* Professor McCorkle.

3-4-5. SIGHT-SINGING AND EAR-TRAINING. Credit: 3 courses.

A course in the reading and the recognition of music notation, from the standpoint of both eye and ear. No prerequisites or previous training are necessary for number 3; students will be admitted to number 4 at the beginning of the winter quarter, or number 5 at the beginning of the spring quarter, who have had the equivalent of the work covered in the course up to that point. *Five hours a week, fall, winter, and spring quarters.* Professor Kennedy.

21-22-23. HARMONY. Prerequisite, Music 1 or its equivalent. Credit: 1½ courses.

A beginner's course in harmony. *Three hours a week, winter, and spring quarters.* Professor Kennedy.

24-25-26. HISTORY OF MUSIC. Credit: 1½ courses.
A study of the historical development of music. In exceptional cases, students may enter the course at the beginning of any quarter. *Three hours a week, fall, winter, and spring quarters.* Professor Dyer.

51-52-53. APPRECIATION OF MUSIC. Credit: 3 courses.
An illustrated course primarily for students who have had little or no training in music. *Five hours a week, fall, winter, and spring quarters.* Professor McCorkle.

54-55-56. COUNTERPOINT. Prerequisite, two years of harmony, Music 21-22-23, 57-58-59, or equivalent. Credit: 1½ courses.
Three hours a week, fall, winter, and spring quarters. Professor Dyer.

57-58-59. ADVANCED HARMONY. Credit: 1½ courses.
Continuation of Music 21-22-23, which are prerequisite. *Three hours a week, fall, winter, and spring quarters.* Professors Dyer, Kennedy.

71-72-73. INSTRUMENTATION. Credit: 1½ courses.
A course in the study of the principles and practice of instrumentation for band and orchestra. Orchestra and band music will be heard, analyzed, and studied, and music will be arranged for orchestra and band. *Three hours a week, fall, winter, and spring quarters.* Professor McCorkle.

74-75-76. COMPOSITION. Prerequisite, Music 54-55-56 or equivalent. Credit: 1½ courses.
A study of free expression of original musical ideas. *Three hours a week, fall, winter, and spring quarters.* Professor Dyer.

81-82-83. APPLIED MUSIC. Credit: 3 courses towards A.B. in Music only.
Open to students of all departments who desire the cultural experience of study of piano, organ, voice, violin, or orchestral instruments.
Students seeking the degree of A.B. in Music will take one lesson per week plus a minimum of 10 hours weekly practice throughout the first year, two lessons per week plus a minimum of 15 hours weekly practice throughout the second and third years, and follow a schedule of lessons and practice during the fourth year as prescribed by the head of the department of music.
Students whose applied music is voice will participate in the University Glee Club throughout the four years. Students of violin or of orchestral instruments will participate in the University Symphony Orchestra throughout the four years. Students of piano or organ will gain ensemble experience through participation in chamber music prescribed by the department. Applied music study is open to all students in the University. Credit granted only to students seeking the A.B. in Music.

Applied Music Courses

NOTE: The following regulations govern individual instruction in Applied Music Courses A, B, C, D, and E:
1. Practice rooms and periods are assigned at the music department office. Fee for one hour daily practice period, (room with piano) $3.00 a quarter.
2. Fee for one hour daily practice on Skinner three manual organ, $18.00 a quarter. Fee for one hour daily practice on Reuter four manual concert organ, $25.00 a quarter.
3. After registration, all fees for applied music and practice must be paid at the music department office where receipts will be issued. The receipt for applied music instruction must be presented to the instructor at the first lesson period.

A. INDIVIDUAL INSTRUCTION IN PIPE ORGAN PLAYING.
For students seeking the degree of A.B. in Music, instruction on basis indicated above. Enrollment by the quarter only. Fee, $18.00 a quarter for one lesson a week. Professor Kennedy.

B. INDIVIDUAL INSTRUCTION IN PIANO PLAYING.
For students seeking the degree of A.B. in Music, instruction on basis indicated above. Enrollment by the quarter only. Fee, $18.00 a quarter for one lesson a week. Professor Kennedy.

C. INDIVIDUAL INSTRUCTION IN SINGING.
For students seeking the degree of A.B. in Music, instruction on basis indicated above. Enrollment by the quarter only. Fee, $24.00 a quarter for one lesson a week. Professor Dyer.

D. INDIVIDUAL INSTRUCTION IN VIOLIN PLAYING.
For students seeking the degree of A.B. in Music, instruction on basis indicated above. Enrollment by the quarter only. Fee, $18.00 a quarter for one lesson a week. Professor McCorkle.

E. INDIVIDUAL INSTRUCTION IN ORCHESTRAL AND BAND INSTRUMENTS.
For students seeking the degree of A.B. in Music, instruction on basis indicated above. Enrollment by the quarter only. Fee, $12.00 a quarter for one lesson a week. Professor McCorkle.

DEPARTMENT OF PHILOSOPHY

Professor WILLIAMS; Associate Professor *GREEN; Assistant Professor EMERY; Dean BRADSHAW

Courses for Undergraduates

41. INTRODUCTION TO PHILOSOPHY. Credit: 1 course.
This course is intended to serve as an introduction to later work in philosophy; but its main purpose is to give a general view of philosophy to those who may take no further courses in the subjects. Lectures and discussions. *Five hours a week, every quarter. Fall and winter quarters* (Professor Emery), *spring quarter* (Professor Green).

56. THE HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. Credit: 1 course.
A survey course beginning with the early Greek thinkers and continuing through Medieval Philosophy. *Five hours a week, fall quarter.* Professor Green.

57. THE HISTORY OF MODERN PHILOSOPHY. Credit: 1 course.
A survey course beginning with the early Renaissance thinkers and continuing through Kant and Hegel to Nietzsche. *Five hours a week, winter quarter.* Professor Green.

61. CONTEMPORARY PHILOSOPHY. Credit: 1 course.
A study of New Realism, Pragmatism, and Idealism as contemporary outgrowths of important movements in the history of philosophy. *Five hours a week, spring quarter.* Professor Emery.

76. ÆSTHETICS. Credit: 1 course.
A study of what is commonly known as art or the beautiful, and an inquiry into some of the critical and psychological questions involved. *Five hours a week, fall quarter.* Professor Green.

81. PHILOSOPHICAL IDEAS IN MODERN LITERATURE. Credit: 1 course.
A study of philosophical ideas in modern literature. An effort will be made to understand something of the attitude toward life held by modern writers, including Tolstoi, Dostoievsky, Thomas Hardy, and Anatole France. Moderate amount of reading in poetry, plays, and novels of the writers studied. *Five hours a week, spring quarter.* Professor Green.

96. COMPARATIVE RELIGION. Credit: 1 course.
A study of the historical development of religion as exemplified in Confucianism, Brahmanism, Buddhism, and Christianity, with emphasis upon the last

*Absent on leave, fall and spring quarters, 1931-1932.

and its growth from Jewish and Hellenic influences. An evaluation of the traits common to all will be made. *Five hours a week, winter quarter.* Professor Green.

Courses for Graduates and Advanced Undergraduates

131-132-133. LOGIC AND CIVILIZATION. Credit: 3 courses.
The purpose of this course is to show how intelligence works both in the individual and in the currents of thought that constitute civilization. The student will be furnished a kit of tools with which to solve some of the problems which will confront him in living his own life and understanding the world about him. *Five hours a week, fall, winter, and spring quarters.* Professor Williams.

171. ETHICS. Credit: 1 course.
A first course in the systematic study of conduct standards both individual and social. Illustrative material is drawn from the historical development of ethical theory since Socrates, the ethical data contributed by psychology, sociology, and the natural sciences, and some of the more pressing contemporary social problems. Students are encouraged to examine their own personal ethical questions. The aim of the course is the acquisition of a sound ethical method rather than indoctrination in any particular ethical view. Some reading of Plato, Spinoza, Spencer, Martineau, and Dewey is customary. However, a more extensive reading in some special field may be arranged for students with special interests. Lectures and discussion. *The course continues through three quarters, meeting once a week for an hour and a half each meeting.* No credit is allowed for less than the completed course. Dean Bradshaw.

Courses Primarily for Graduates

224-225-226. KANT. Credit: 3 courses.
An intensive study of the *Critique of Pure Reason* with important commentaries, in the light of Kant's whole philosophy and its historical context. *Five hours a week, fall, winter, and spring quarters.* Professor Emery.

227-228-229. STUDIES IN HEGEL. Credit: 3 courses.
This course aims to consider Hegel's system as grounded in the *Logik* and exhibited in the *Phenomenologie. Five hours a week, fall, winter, and spring quarters.* Professor Williams.

301, 302, 303. SEMINAR IN PHILOSOPHY. Credit: ½ course each quarter.
Conducted by the Department. Hours and subjects are arranged at the beginning of the year.

311. SPECIAL READINGS. Credit: 1 course.
Reading in a special field under the direction of a member of the Department.

DEPARTMENT OF PHYSICS

Professors STUHLMAN, FUSSLER; Associate Professor PLYLER; Instructors CRAVEN, MULKEY; Teaching Fellow GITHENS

Courses for Undergraduates

41. ASTRONOMY. Credit: 1 course.
A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, etc. *Five hours a week, spring quarter.* Professor Fussler.

21-22. GENERAL PHYSICS. PART I. Prerequisite, Mathematics 1-2, but may be elected in the spring quarter by Freshmen who have taken Mathematics 2 and received grade B or better. Credit with Part II: 2 courses.

Mechanics of solids, liquids, and gases; sound and heat. Lectures; problems; laboratory work. *Five lecture and three laboratory hours a week, every quarter. Laboratory fee, $4.00.* Professors Fussler, Stuhlman, Plyler; Messrs. Craven, Mulkey, Githens, and Assistants.

GENERAL PHYSICS. PART II. Prerequisite, Mathematics 1-2 and Physics 21. Credit: see Part I.

Light, electricity, and magnetism. Lectures; problems; laboratory work. *Five lecture and three laboratory hours a week, every quarter. Laboratory fee, $4.00.* Professors Fussler, Stuhlman, Plyler; Messrs. Craven, Mulkey, Githens, and Assistants.

21-22-23E. PHYSICS FOR ENGINEERING STUDENTS. Required of Engineering Sophomores. Prerequisite, Mathematics 1-2-3E or equivalent. Credit: 2 courses.

This is a course given with special reference to the needs of students of engineering. Problem work is given on subjects dealing with engineering. *Three lecture and two laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $2.50 a quarter.* Professors Fussler, Plyler; Mr. Craven.

51. X-RAY TECHNIQUE: BIOPHYSICS. Prerequisite, Physics 21-22. Credit: 1 course.

Laboratory work in the physical aspects of X-ray apparatus, technique of photographic and fluoroscopic roentgenology, with some applications to biophysical and engineering problems. *Two lecture and eight laboratory hours a week, spring quarter. Laboratory fee, $15.00.* Professor Stuhlman.

52, 53. RESEARCH FOR SENIORS. Credit: 1 course each quarter.

Professors Stuhlman, Plyler.

Courses for Graduates and Advanced Undergraduates

101. MECHANICS AND WAVE MOTION. Prerequisite, Physics 21-22, Mathematics 24. Credit: 1 course.

Lectures, problems. Required in all majors and minors in physics. *Five hours a week, fall quarter.* Professor Stuhlman.

102. HEAT AND THERMODYNAMICS. Prerequisite, Physics 21-22, Mathematics 24. Credit: 1 course.

Lectures, problems, and laboratory work. *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $3.00.* Professor Plyler.

103. MODERN ELECTRICAL THEORY. Prerequisite, Physics 21-22, Chemistry 1-2. Credit: 1 course.

Lectures, the electron theory, atomic structure, radio-activity, etc. *Five hours a week, winter quarter.* Professor Stuhlman.

104. ADVANCED ELECTRICITY AND MAGNETISM. Prerequisite, Physics 21-22, Mathematics 24. Credit: 1 course.

An introduction to the mathematical treatment of these subjects. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00.* Professor Plyler.

105. OPTICS. Prerequisite, Physics 21-22. Credit: 1 course.

A treatment of the fundamental principles of geometrical and physical optics. Lectures, problems, and laboratory work. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Stuhlman.

106. INTRODUCTION TO MATHEMATICAL PHYSICS. Prerequisite, Mathematics 24, or its equivalent, Physics 101, 102, 103, 104, 105. Credit: 1 course.

(1932 and alternate years.) *Five hours a week, spring quarter.* Professor Stuhlman.

107, 108. ADVANCED GENERAL LABORATORY. Credit: ½ course each quarter.

This course affords an opportunity for further training and experimental study in physics not given in other courses. *Six laboratory hours a week, every quarter. Laboratory fee, $5.00.* Professors Stuhlman, Fussler, Plyler.

Courses Primarily for Graduates

202. THEORY OF HEAT. Prerequisite, Physics 102, Mathematics 25. Credit: 1 course.

Conductivity. Kinetic theory of gases. Change of state. Thermodynamics. Radiation and temperature. *Five hours a week, fall quarter.* Professor Plyler.

203. ATOMIC STRUCTURE. Prerequisite, Physics 103, Mathematics 24. Credit: 1 course.

A critical survey of the experimental and theoretical evidence in various branches of physics for the present theories of the structure of atoms and molecules, the nature of magnetism, etc. A reading knowledge of German is required. *Five hours a week, spring quarter.* Professor Stuhlman.

204. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. Prerequisite, Physics 104, Mathematics 24. Credit: 1 course.

General electrostatic theory; ideal electric fields; condensers with homogeneous and non-homogeneous dielectrics; general laws of conduction; thermal effects; magnetostatic fields; electro-magnetic phenomena; electric waves. *Five hours a week, winter quarter.* Professor Stuhlman.

205. THEORY OF LIGHT. Prerequisite, Physics 105, Mathematics 24. Credit: 1 course.

1. Geometrical optics. 2. Physical optics. 3. Optical properties of crystals and metals. 4. Magneto-optics and radiation. A reading knowledge of French and German is required. *Five hours a week.* Professor Stuhlman.

301, 302. RESEARCH. Credit: 1 course each quarter.

Intended for applicants for advanced degrees. Experimental work. Subject must be assigned or approved by the professor in charge. A reading knowledge of French and German is required. Professors Stuhlman, Plyler.

NOTE: Courses in advanced analytical mechanics and in vector analysis are offered by the Department of Mathematics.

DEPARTMENT OF PSYCHOLOGY

Professors DASHIELL, CRANE, BAGBY; Instructors DEWICK, KILLINGER; Teaching Fellow TREVERTON

Course for Undergraduates

21-22. GENERAL PSYCHOLOGY. Credit: 2 courses.

The aim of the course is to present the essential phenomena of psychology as an experimental natural science. Emphasis is placed on the organic relationships within the whole field and upon some crucial problems of daily life. Lectures, textbook, laboratory. *Four lecture and four laboratory hours a week, fall and winter, or winter and spring quarters. Laboratory fee, $4.00 a quarter.* Professors Dashiell, Bagby; Messrs. DeWick, Killinger.

Courses for Graduates and Advanced Undergraduates

Note. Psychology 21 and 22 or their equivalent are prerequisite for each of the following courses.

125. ANIMAL PSYCHOLOGY. Credit: 1 course.

Reading topics: evolution of structure and behavior (Parker, Child, Coghill), tropic behavior (Jennings, Loeb), instinctive (Peckhams, Lubbock, Stone), habitual (Thorndike, Yerkes, Watson, and others), reflex (Sherrington, Pavlov).

insight (Kohler), motivation (Moss, Richter). The class will conduct a protracted experimental study in animal learning. *Five hours a week, winter quarter, Laboratory fee, $2.00.* Professor Dashiell.

126. CHILD PSYCHOLOGY. Credit: 1 course.

This course is primarily a critical examination of the experimental methods used in child psychology. The members of the class will be given an opportunity of repeating some of the major experiments. The chief subdivisions to be studied are the original behavior equipment, the growth and maturation of structure, the acquisition of habits, the development of capacity, and the formation of interests. Lectures, readings, and experiments with children. *Five hours a week, spring quarter. Laboratory fee, $1.50.* Professor Bagby.

135. ECONOMIC PSYCHOLOGY: INDUSTRIAL AND VOCATIONAL. Credit: 1 course.

There will be two main divisions of the course, as follows: (1) The adjustment of the worker to his work—including training, effects of incentive, monotony, and fatigue; motion study and mental hygiene in industry. (2) The selection of personnel for various kinds of work, with the industrial use of tests of intelligence and personality. An outline of vocational psychology will be given, and the psychology of salesmanship discussed. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $2.00.* Professor Bagby; Mr. Treverton.

136. ECONOMIC PSYCHOLOGY: ADVERTISING. Credit: 1 course.

An attempt is made to present systematically those aspects of psychology which will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value, the emphasis is placed upon the establishment of a point of view which will be of assistance in the development of a general technique on the part of the advertiser. (Given alternately with Psychology 145; given in 1932-1933.) *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.00.* Professor Crane; Mr. DeWick.

138. LEGAL PSYCHOLOGY. Credit: 1 course.

The course is organized about some of the major problems of a psychological nature with which the law is concerned; such as, the accuracy of testimony, the reliability of findings by juries, responsibility and criminal psychology, the effects of punishment, modes of detecting suppression of guilty knowledge. The aim is to obtain an accurate knowledge of the present status of each problem; and the method will be that of a natural science approach leading ultimately to implications of practical legal character. Readings, lectures, and experiments. *Five hours a week, spring quarter. Laboratory fee, $1.00.* Professor Dashiell.

140. PSYCHOLOGY OF PERSONALITY. Credit: 1 course.

This course is a consideration of certain of the factors upon which the quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retraining the various types of emotional reactions. *Five hours a week, fall quarter.* Professor Bagby.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS. Credit: 1 course.

Presentation of the psycho-neural aspects of feeble-mindedness in general, and of the various types, together with their importance in relation to the problems of education, dependency, and delinquency. There will be discussion and demonstration of the various clinical methods of determination and classification of feeble-mindedness. (Given alternately with Psychology 135; not given in 1932-1933.) *Five hours a week, winter quarter. Laboratory fee, $1.00.* Professor Crane.

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. Credit: 1 course.

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy. *Five hours a week, spring quarter. Laboratory fee, $1.00.* Professor Crane.

147. ABNORMAL PSYCHOLOGY: METHODS OF MENTAL EXAMINATION. Credit: 1 course.

A presentation of the various psychological methods used in the clinical study of individuals. This includes a study of the methods used in determination of the presence or absence of specialized defects as well as the determination of level of intelligence. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, $2.00.* Professor Crane; Mr. DeWick.

151, 152, 153. EXPERIMENTAL PROBLEMS. Credit: 1 course each quarter.

To the student who finds himself especially interested in some particular problem of psychology, perhaps as growing out of the subject matter of one of the preceding courses, encouragement and opportunity are here offered for investigative study. May be elected any quarter, and for one, two, or three quarters. *One lecture and eight laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $2.00 a quarter.* Professors Dashiell, Crane, Bagby.

Courses Primarily for Graduates

201. ADVANCED EXPERIMENTAL PSYCHOLOGY. Credit: 1 course.

A training course in the technique of psychological experimentation and research, to acquaint the advanced student both with methods and with typical forms of apparatus. A survey will be made of experimental technique in the study of the various motor, sensory, thinking, and emotional functions, including both introspective and behavioristic approaches. *One lecture and eight laboratory hours a week, fall quarter. Laboratory fee, $2.00.* Professor Dashiell.

202-203. RESEARCH IN PSYCHOLOGY. Prerequisite, Psychology 201. Credit: 2 courses.

Opportunity will be given for the experimental investigation of special problems along the line of the individual student's interests. The personal and material resources of the department are here especially offered. *Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00 a quarter.* Professors Dashiell, Crane, Bagby.

205. PHYSIOLOGICAL PSYCHOLOGY. Credit: 1 course.

An intensive study is made. Emphasis is placed upon the neural mechanism as a basis of understanding both the mental and the reaction phenomena of psychology. *Six hours a week, winter quarter. Laboratory fee, $2.00.* Professor Crane.

206. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. Credit: 1 course.

A systematic survey of the more outstanding modern and contemporary movements in psychology. Historical survey, using Murphy's text and Rand's readings, followed by readings in Titchener, James, Watson, Freud, Köhler, Koffka, Spranger, and perhaps others. *Five hours a week, fall quarter.* Professor Dashiell.

208. SOCIAL PSYCHOLOGY. Credit: 1 course.

Several relatively unrelated problems are treated in this course. The feebleminded, the insane, and the criminal types are characterized, and suggestions are offered for the solution of the social problems involved. The immigration policy of the United States is critically studied from a psychological point of view. Typical mob reactions, especially lynching episodes, are analyzed. Finally, a study is made of the conditions conducive to the development of

national spirit and other forms of loyalty. *Five hours a week, winter quarter.* Professor Bagby.

325. SEMINAR. Credit: 1 course.

An advanced course devoted to the extensive or intensive survey of current or of historical material bearing upon some limited problem or field of psychology—such as motivation, emotion, thinking, the Gestalt movement, reflexology, etc. The problem studied will be varied from year to year. *Five hours a week, fall, winter, or spring quarter, to be specially announced.* Professors Dashiell, Crane, Bagby.

341-342. ADVANCED RESEARCH. Credit: 2 courses.

Experimental or clinical research to be done by advanced graduate students only. *Ten laboratory hours a week, fall, winter, or spring quarter.* Professors Dashiell, Crane, Bagby.

The student is referred also to courses in Educational Psychology given by Professors Jordan and Trabue in the Department of Education, numbers 71, 103, 173, and 271-272, in Neurology, Anatomy 5, given by Professor Mangum in in the School of Medicine, and in Statistics. Economics 71, given by Professor Ferger, or Sociology 53, given by Professor Woofter.

DEPARTMENT OF ROMANCE LANGUAGES

Professors DEY, LEAVITT, HOLMES, ADAMS; Associate Professors HUSE, STAAB, LYONS (Secretary); Assistant Professors BOGGS, STOUDEMIRE, WILEY; Instructors J. L. SMITH, WRIGHT, LINKER, CARROLL, MCLEOD, SHIELDS, TAYLOR, W. P. SMITH, GALLARDO, NEAL; Teaching Fellows STABLER, THURMAN, CAUSEY

*FRENCH

Courses for Undergraduates

1-2. ELEMENTARY FRENCH. Credit: 2 units or 2 courses.

Essentials of French Grammar. Special drill in pronunciation. It is aimed to make this course as practical as possible, with much oral work. This course may be counted for credit by those only who fulfill the requirements for the degree in two other foreign languages and provided it is followed by French 3-4. Course 2 will be given in the fall also. *Five hours a week, fall and winter, winter and spring quarters.* Professors Lyons, Wiley; Messrs. J. L. Smith, Wright, Linker, Carroll, McLeod, Taylor.

NOTE: No student is permitted to take French 1 or 2 and Spanish 1 or 2 at the same time.

3-4. INTERMEDIATE FRENCH. Prerequisite, French 1-2 or the equivalent. Credit: 2 courses.

Reading of modern French literature, frequent composition, and dictation. Course 4 will be given in the fall also. *Five hours a week, fall and winter, winter and spring quarters.* Professors Huse, Staab, Wiley; Messrs. J. L. Smith, Wright, Linker, Carroll, McLeod.

21. INTRODUCTION TO FRENCH LITERATURE. Prerequisite, French 3-4. Credit: 1 course.

Introduction to the study of French literature. A general survey of French literature to the end of the 17th century. Reading of plays of Corneille, Racine, and Molière. *Five hours a week, every quarter.* Professors Dey, Huse, Lyons, Wiley; Messrs. J. L. Smith, Linker, Carroll, McLeod.

22. MODERN FRENCH LITERATURE. Prerequisite, French 21. Credit: 1 course.

* An undergraduate major in French consists of the following eight courses: French 22, 51, 126, 132, 145, 161 or 181, 171 or 172, and 191 or 192.

A general survey of French literature since the classical period with special stress on the 19th century. *Five hours a week, every quarter.* Professors Lyons, Wiley.

25. COMMERCIAL FRENCH. Open to students in the School of Commerce only. Prerequisite, French 21. Credit: 1 course.

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country are read. Practice in social and commercial correspondence. This course is largely conducted in French. *Five hours a week, every quarter.* Professor Staab.

51. FRENCH CONVERSATION AND COMPOSITION. Prerequisite, French 21. Credit: 1 course.

The object of this course is to provide students with an opportunity to acquire practice in spoken French. Discussion in French on subjects of general interest. Composition and outside reading. *Five hours a week, fall or spring quarter.* Professor Lyons.

52. FRENCH CIVILIZATION. Prerequisite, French 51. Credit: 1 course.

A rapid survey of the history of France, with emphasis on political and economic developments necessary to an understanding of the present situation. History and discussion of French institutions, with some reference to the history of French art and French music. All lectures, discussions, and reports on collateral reading are in French. *Five hours a week, winter quarter.* Professor Lyons.

55. REVIEW OF GRAMMAR AND SYNTAX. Prerequisite, French 21. Credit: ½ course.

This course is primarily for teachers, and is open to Juniors and Seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor. *Three hours a week, winter quarter.* Mr. J. L. Smith.

Courses for Graduates and Advanced Undergraduates

109. THE FRENCH NOVEL. Prerequisite, French 22. Credit: 1 course.

A study of the development of the novel in France. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Dey.

115. FRENCH LYRIC POETRY. Prerequisite, French 22. Credit: 1 course.

A study of French lyric poetry, beginning with Villon. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Huse.

126. HISTORY OF THE FRENCH LANGUAGE. Prerequisite, French 22. Credit: 1 course.

A general survey from the origins to the present day, with especial emphasis upon the period, 1500-1900: the influence of the Erudits, Précieuses, Philosophes, and Romanticists; spelling reforms. *Five hours a week, winter quarter.* Professor Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700. Prerequisite, French 22. Credit: 1 course.

A survey of the religious and comic theatres of the Middle Ages; the theatre of the Renaissance and its relation to the classic theatres of Greece and Rome; the neo-classic theatre of the 17th century. *Five hours a week, winter quarter.* Professor Wiley.

132. THE FRENCH DRAMA SINCE 1700. Prerequisite, French 22. Credit: 1 course.

A survey of Modern French Drama with special attention to the theatrical principles and ideas of the different dramatic schools of the last two centuries. *Five hours a week, spring quarter.* Professor Wiley.

145. FRENCH PHONETICS. Prerequisite, French 21. Credit: 1 course.
A detailed study of the French vowel and consonant sounds by the phonetic method. This course is required of candidates for the master's degree, and it should be elected by anyone who intends to teach French. *Five hours a week, fall quarter.* Professor Dey.

161. THE SIXTEENTH CENTURY. Prerequisite, French 22. Credit: 1 course.
A general treatment of the chief movements in French literature of the 16th century, with some reference to the Italian Renaissance and its influence on France. Specimen readings from the more important poets and prose writers: Marot, Rabelais, the Pléiade, Montaigne, etc. *Five hours a week, spring quarter.* Professor Lyons.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Prerequisite, French 22. Credit: 1 course.
A study of the period of Henry IV and Louis XIII. *Five hours a week, fall quarter.* Professor Lyons.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Prerequisite, French 22. Credit: 1 course.
This course deals with the literature of the reign of Louis XIV. *Five hours a week, winter quarter.* Professor Lyons.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Prerequisite, French 22. Credit: 1 course.
Voltaire, Montesquieu, Rosseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism. *Five hours a week, fall quarter.* Professor Huse.

191. FRENCH ROMANTICISM. Prerequisite, French 22. Credit: 1 course.
French literature from 1800 to 1850, with special stress on the works of the romantic poets, Lamartine, Hugo, Vigny, and Musset. Lectures, reading, reports. *Five hours a week, fall quarter.* Professor Dey.

192. FRENCH LITERATURE SINCE 1850. Prerequisite, French 22. Credit: 1 course.
A study of the later literary movements of the 19th century, with some emphasis on the contemporary period. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Dey.

Courses Primarily for Graduates

221-222-223. OLD FRENCH. Credit: 3 courses.
Reading of the oldest texts: La Chanson de Roland; Aucassin et Nicolette; Chrétien de Troyes. Lectures on French phonology and morphology. *Five hours a week, fall, winter, and spring quarters.* Professor Holmes.

225. PROVENCAL. Credit: 1 course.
A study of the ancient language and literature of Provence. The poetry of the Troubadours. (1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

231. FRENCH SYNTAX. Credit: 1 course.
The most important phases of modern French syntax studied from a historical point of view. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

248. FRENCH LITERATURE OF THE 14TH AND 15TH CENTURIES. Prerequisite, French 221 or 265. Credit: 1 course.
A combination of literary survey and reading course. Especial attention will be paid to Villon, who will be read entire with commentary. General treatment of such writers as Machaut, Froissart, Christine de Pisan, etc. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

265-266. FRENCH LITERATURE OF THE RENAISSANCE. Credit: 2 courses.

A study of French Literature of the 16th century. Italian and French Humanism. The reformation. Marot, Rabelais, Calvin, the Plćiade, Montaigne. (1932-1933 and alternate years.) *Five hours a week, winter and spring quarters.* Professor Lyons.

331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300. Credit: 1 course.

Lectures and seminar papers. A complete and careful study of the origins of French literature, with emphasis upon the twelfth century Renaissance, the period of the epics, beginning of romances, etc. French 221 is desired, though not a prerequisite. (1933-1934 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

391. STUDIES IN ROMANTICISM. Prerequisite, French 191. Credit: 1 course.

Seminar course. Intensive study of one of the romantic poets. (1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

395. RESEARCH. Credit: 1 course.

Research in a special field under the direction of a member of the department.

CELTIC 205. MIDDLE IRISH. Credit: 1 course.

Grammar and reading of texts. Dottin, *Manuel de l'Irlandais Moyen, Táin Bó Cúailnge* (supplement to *Eriu*). *Five hours a week, winter quarter.* Professor Holmes.

*SPANISH

Courses for Undergraduates

1-2. ELEMENTARY SPANISH.* Credit: 2 units or 2 courses.

Essentials of Spanish grammar. Special drill in pronunciation. Reading of selected texts, with much oral drill. This course may be counted for credit by those only who fulfill the requirements for the degree in two other foreign languages and provided it is followed by Spanish 3-4. Course 2 will be given in the fall also. *Five hours a week, fall and winter, winter and spring quarters.* Professor Stoudemire; Messrs. Shields, Gallardo, W. P. Smith, Causey.

NOTE: No student is permitted to take Spanish 1 or 2 and French 1 or 2 at the same time.

3-4. INTERMEDIATE SPANISH. Prerequisite, Spanish 1-2 or the equivalent. Credit: 2 courses.

Reading of modern Spanish literature, composition, and dictation. Course 4 will be given in the fall also. *Five hours a week, fall and winter, winter and spring quarters.* Professors Leavitt, Adams, Stoudemire; Messrs. Shields, W. P. Smith.

21. INTRODUCTION TO SPANISH LITERATURE. Prerequisite, Spanish 3-4. Credit: 1 course.

A general survey of Spanish literature up to the end of the 17th century. Readings from the Picaresque novels and the drama of the Siglo de Oro. *Five hours a week, every quarter.* Professors Adams, Boggs, Stoudemire.

22. MODERN SPANISH LITERATURE. Prerequisite, Spanish 21. Credit: 1 course.

A general survey of Spanish literature from the end of the 17th century to the present day. Readings from representative authors. *Five hours a week, every quarter.* Professors Adams, Stoudemire.

25. COMMERCIAL SPANISH. Open to students in the School of Commerce only. Prerequisite, Spanish 21. Credit: 1 course.

The object of this course is to give the student practical training in modern Spanish. Newspapers and magazine articles dealing with the life and customs

* An undergraduate major in Spanish consists of the following eight courses: Spanish 22, 109, 110, 111, 131, 132, 134 or 135, and 145.

of South America are read. Practice in commercial correspondence. This course is largely conducted in Spanish. *Five hours a week, winter or spring quarter.* Professor Leavitt.

Courses for Graduates and Advanced Undergraduates

109. EARLY SPANISH PROSE FICTION. Prerequisite, Spanish 22. Credit: 1 course.

A study of the origins and developments of the novel in Spain up to the time of Cervantes. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

110. THE SPANISH NOVEL. 1605-1898. Prerequisite, Spanish 22. Credit: 1 course.

A survey of the novel from Cervantes through the nineteenth century. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

111. MODERN SPANISH NOVELISTS. Prerequisite, Spanish 22. Credit: 1 course.

A study of the "Generation of '98," with consideration of present day tendencies. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

115. EARLY LYRIC POETRY. Prerequisite, Spanish 22. Credit: 1 course.

A survey of lyric poetry in the Spanish peninsula from the origins through the Siglo de Oro. (1933-1934 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

116. MODERN LYRIC POETRY. Prerequisite, Spanish 22. Credit: 1 course.

Brief treatment of the poetical schools of Seville and Salamanca in the eighteenth century and study of Spanish lyric poetry through the nineteenth century to the present day. (1933-1934 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

131. LOPE DE VEGA AND HIS CONTEMPORARIES. Prerequisite, Spanish 22. Credit: 1 course.

Reading of representative plays of Lope de Vega, Tirso de Molina, Guillén de Castro, Ruiz de Alarcón, etc. Lectures and reports. (1933-1934 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

132. CALDERON AND HIS CONTEMPORARIES. Prerequisite, Spanish 22. Credit: 1 course.

Reading of representative plays of Calderón de la Barca, Moreto, Rojas, etc. Lectures and reports. (1933-1934 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

134. SPANISH DRAMA OF THE NINETEENTH CENTURY. Prerequisite, Spanish 22. Credit: 1 course.

Reading of representative plays of this period. Lectures, oral and written reports. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

135. MODERN SPANISH DRAMA. Prerequisite, Spanish 22. Credit: 1 course.

Reading of plays of Dicenta, Benavente, Linares Rivas, the Alvarez Quintero brothers, Marquina, Martínez Sierra, etc. Lectures, oral and written reports. (1932-1933 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

145. SPANISH PHONETICS. Prerequisite, Spanish 21. Credit: 1 course.

A detailed study of the Spanish vowel and consonant sounds by the phonetic method. This course is required of candidates for the master's degree, and it should be elected by anyone who intends to teach Spanish. *Five hours a week, spring quarter.* Professor Boggs.

Courses Primarily for Graduates

221-222. OLD SPANISH. Credit: 2 courses.
Ford's *Old Spanish Readings.* The Poem of the Cid and other old Spanish texts. Lectures on phonology, morphology, and syntax. *Five hours a week, fall and winter quarters.* Professor Boggs.

241. INTRODUCTION TO SPANISH-AMERICAN LITERATURE. Credit: 1 course.
A study of notable authors and consideration of present-day writers. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Leavitt.

391. EARLY SPANISH LITERATURE. Prerequisite, Spanish 221-222. Credit: 1 course.
Survey of Medieval Spanish Literature. *Five hours a week, spring quarter.* Professor Boggs.

393. SPANISH ROMANTICISM. Seminar course. Credit: 1 course.
General survey of the Romantic period in Spain and investigation of special problems. (Offered in 1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

395. RESEARCH. Credit: 1 course.
Research in a special field under the direction of a member of the department. Attention is called to General and Comparative Literature 157.

ITALIAN

Courses for Undergraduates

51. ELEMENTARY COURSE. Prerequisite, French 3-4 or Spanish 3-4. Credit: 1 course.
Grammar, pronunciation, oral and written exercises. Reading of modern Italian texts. *Five hours a week, fall quarter.* Professor Huse.

52. MODERN ITALIAN LITERATURE. Prerequisite, Italian 51. Credit: 1 course.
Continuation of Course 51 with readings from modern Italian poets, dramatists, and novelists. *Five hours a week, winter quarter.* Professor Huse.

Courses for Graduates and Advanced Undergraduates

131. DANTE. Prerequisite, Italian 51 and 52. Credit: 1 course.
The *Vita Nuova* and the *Inferno,* with some reference to origins of Italian literature and to the poets of the *dolce stil nuovo.* (1933-1934 and alternate years.) *Five hours a week, spring quarter.* Professor Huse.

132. DANTE. Prerequisite, Italian 131. Credit: 1 course.
The *Purgatorio* and the *Paradiso.* (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Huse.

156. DANTE IN ENGLISH TRANSLATION. Credit: 1 course.
The *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter.* Professor Huse.

161. ITALIAN LITERATURE OF THE RENAISSANCE. Prerequisite, Italian 51 and 52. Credit: 1 course.
Readings from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione, and the lyric poets. Collateral reading on the history of Italian culture during the Renaissance. *Five hours a week, winter quarter.* Professor Huse.

Course Primarily for Graduates

221. OLD ITALIAN. Credit: 1 course.
Reading of the poets previous to Dante. Early monuments. Survey of phonology and morphology. (1932-1933 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

DEPARTMENT OF RURAL SOCIAL ECONOMICS

Professors BRANSON, HOBBS; Assistant Professor *WAGER

Courses for Undergraduates

51-52. RURAL ECONOMICS. Credit: 2 courses.
A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South. References: Gray's *Agricultural Economics;* Taylor's *Outlines of Agricultural Economics;* Yoder's *Introduction to Agricultural Economics. Five hours a week, fall and winter quarters.* Professor Hobbs.

53. HISTORY OF AGRICULTURE. Credit: 1 course.
This course traces the development of agriculture from its earliest beginnings to the present: earliest beginnings; Greece and Rome; later agriculture in Europe; American agriculture. References: Gras, *A History of Agriculture;* Schmidt and Ross, *Readings in the Economic History of American Agriculture;* special readings. *Five hours a week, spring quarter.* Professor Hobbs.

61. AGRICULTURAL COÖPERATION. Credit: 1 course.
Lecture and research. History of agricultural coöperation, principles of coöperation, coöperative organization, rural credits, and coöperative marketing. *Five hours a week, winter quarter.* Professor Hobbs.

71. RURAL SOCIOLOGY. Credit: 1 course.
Rural Sociology. Text: Gillette's *Rural Sociology.* Collateral readings: Galpin's *Rural Life;* Butterfield's *Chapters in Rural Progress;* Sorokin and Zimmerman's *Principles of Rural-Urban Sociology. Five hours a week, fall quarter.* Professor Wager.

72. RURAL SOCIOLOGY. Credit: 1 course.
Country Life Problems. Text: Taylor's *Rural Sociology.* Collateral readings: Boyle's *Rural Problems in the United States,* Galpin's *Rural Social Problems,* Butterfield's *The Country Church and the Rural Problem. Five hours a week, winter quarter.* Professor Wager.

73. RURAL SOCIOLOGY. Credit: 1 course.
The Rural Community. Text: Sims' *Elements of Rural Sociology.* Collateral readings; Hawthorne's *The Sociology of Rural Life,* Hayes' *Rural Community Organization,* Miller's *Town and Country,* Wilson's *Evolution of the Country Community,* Sims' *The Rural Community,* Steiner's *The American Community in Action. Five hours a week, spring quarter.* Professor Wager.

81. THE RURAL COUNTY AND ITS INSTITUTIONS. Credit: 1 course.
A study of the county as a unit of social organization. The county is examined as a unit of education, public health, public welfare, library service, material and cultural development. An analysis is made of existing institutions and of proposed adjustments. Attention is given to the civic attitudes manifested in the county, and the quality of leadership found. Text: Wager's *County Government in North Carolina.* Source material will be drawn from county newspapers and from the eighty studies of county affairs already completed by the

* Absent on leave, fall quarter, 1931.

Institute for Research in Social Science. *Five hours a week, spring quarter.* Professor Wager.

91-92-93. LABORATORY COURSE IN RURAL ECONOMICS AND SOCIOLOGY. Corequisite, 51-52 or 71, 72, and 73. Credit: 3 courses.

Home-state studies, home-county studies, research projects and surveys. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

95-96-97. LABORATORY COURSE ON THE HOME COUNTY. Credit: 3 courses.

Studies in the economic and social conditions of the home county with a view to the publication of a county survey or a county geography supplement. Arranged especially to meet the needs of county organizations at the University. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters.* Professor Wager.

Course for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit: 1 course.

This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry. *Five hours a week, fall or spring quarter.* Professor Hobbs.

Courses for Graduates

271abc. RURAL SOCIAL PROBLEMS. Credit: 3 courses.

Designated readings on and class discussions of (1) the solitary farmstead and the country community, (2) farm tenancy, (3) country illiteracy, (4) the country school, (5) the country church, and (6) rural citizenship. *Five hours a week, fall, winter, and spring quarters.* Professor Branson.

301abc. RURAL ECONOMICS. Credit: 3 courses.

Research, seminars, and field investigations in (1) land economics—resources, values, ownership and tenancy, laws and policies; (2) farm organization and management—farm systems, farm finance, distribution of farm products and the farm income, cooperative farm enterprise; (3) country wealth, country institutions and problems; (4) state and county studies, economic, social, and civic; county bulletins, etc. Required preliminary preparation: approved courses in general and rural economics. Lacking such preparation, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Branson, Hobbs, Wager.

305abc. COUNTY ADMINISTRATION. Credit: 3 courses.

Research, seminars, and field investigations of county organization, resources, institutions, and administration. Typical subjects for study might be: county consolidation, county management, tax resources, highway administration, the county home, the county jail, programs of economic and social development, county planning. Prerequisite, at least three courses in economics and government. *Five hours a week, fall, winter, and spring quarters.* Professor Wager.

311abc. RURAL SOCIAL PROBLEMS. Credit: 3 courses.

1. Research, seminars, and field investigations of (1) rural social institutions and agencies; (2) transportation and communication facilities in rural areas; (3) country-mindedness and its sequences; (4) town and country interdependencies; (5) social disability in country areas, our public welfare laws and agencies; (6) social aspects of tenancy and illiteracy; (7) state and county studies, economic, social, and civic; county bulletins, etc. 2. Rural Social Survey; research, technic, and field work. 3. Statistics; interpretation and use. 4. Rural Social Engineering: (1) county community studies; (2) community organization, economic

and social; (3) county government; (4) country leadership, requisites and technic. Required preliminary preparation: approved courses in general and rural sociology. Lacking this, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Branson, Hobbs, Wager.

DEPARTMENT OF SOCIOLOGY

Professors *ODUM, MEYER; Research Professors GROVES, WOOFTER; Associate Professor SANDERS; Assistant Professor BROOKS; Research Associates JOHNSON, BROWN, VANCE

Courses for Undergraduates

41. INTRODUCTION TO SOCIOLOGY. Credit: 1 course.
Emphasis on social origins as found in primitive society; the rise of contemporary society; the forces shaping society studied through geographical, biological, psychological, and cultural approaches; social organization and control; the elements of social theory. *Five hours a week, every quarter.* Professors Meyer, Brooks.

42. SOCIAL PROBLEMS. Credit: 1 course.
A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. The student is introduced to various social problems and institutions such as race, immigration, the family, and the community, which can be pursued more intensively in other specialized courses in this department. *Five hours a week, every quarter.* Professors Meyer, Sanders, Brooks.

53. STATISTICS. Credit: 1 course.
An elementary course in statistical method. The sources of social statistics, data gathering and tabulation, elementary graphics, averages and measures of variation, index numbers, linear trends, linear correlation, probable error. *Five hours a week, winter quarter.* Professor Woofter.

62. MARRIAGE. Open to senior men students. Credit: ½ course.
A discussion of the practical problems of marriage, parenthood, and family adjustment. *Three hours a week, spring quarter.* Professor Groves.

Courses for Graduates and Advanced Undergraduates

151. SOCIAL ANTHROPOLOGY. Credit: 1 course.
A general course in social anthropology, but with some attention to physical anthropology and archaeology. The nature of culture; culture processes; the modern cultural environment; and social change. *Five hours a week, spring quarter.* Professor Johnson.

152. SOCIAL THEORY. Credit: 1 course.
A survey of the range of contemporary social theory with preliminary consideration of its historical backgrounds. A study is made of contributions to theories of human ecology, regionalism, population, social differentiation, the social personality, mobility, human nature and culture, collective behavior, religion, art and the mores, the social processes, conflict, and social control. Leading theories are summarized, compared, and criticized. *Five hours a week, every quarter.* Professor Vance.

160. INTRODUCTION TO SOCIAL WORK. Credit: 1 course.
Essentially a professional course in social problems with the emphasis laid upon methods of treatment by public and private social agencies. After a brief discussion of the nature, purpose, and scope of social work the course

* Absent on leave, 1931-1932.

will deal chiefly with the major social problems, such as poverty and destitution, physical and mental deficiency, disease, crime, and delinquency. Methods of education and training for social work will also be taken up in considerable detail. *Five hours a week, fall quarter.* Professor Sanders.

161. THE FAMILY. Credit: 1 course.

The history, purpose, and problems of the family with especial attention to social conditions influencing family life and to efforts for family conservation. Open to men and women. *Five hours a week, winter quarter.* Professor Groves.

164. FAMILY CASE WORK. Credit: 1 course.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Welfare. *Five hours a week, winter quarter.* Professor Sanders.

165. ADVANCED FAMILY CASE WORK. Credit: 1 course.

A continuation of Sociology 164, with more intensive study of case work. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Welfare. *Five hours a week, spring quarter.* Professor Sanders.

168. THE COMMUNITY. Credit: 1 course.

1. A sociological study, analytic, descriptive, and comparative, with emphasis on ecological factors and concrete types of community-neighborhood groupings both urban and rural. 2. The community and social work; community organization, its origins, development, problems, and prospects. Large use will be made of recent literature in this field. *Five hours a week, winter quarter.* Professor Brooks.

171. EDUCATIONAL SOCIOLOGY. Credit: 1 course.

Education is a process of social control and achievement. The social resources of the school and other educational resources. Social problems of the teacher. *Five hours a week, winter quarter.* Professor Meyer.

173. PLAY AND RECREATION. Credit: 1 course.

The theories of play, play activities, attitudes, history of the play movement, play leadership, programs, values, sex and age differences, classification of movements, application to community life. *Five hours a week, winter quarter.* Professor Meyer.

175. EXTRA-CURRICULAR ACTIVITIES. Credit: ½ course.

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials. *Three hours a week, spring quarter.* Professor Meyer.

185. THE NEGRO. Credit: 1 course.

A study of the American Negro, with particular reference to the South, the historical and cultural background of the Negro in Africa and in America; development since emancipation; bi-racial system; and problems of race relations. *Five hours a week, fall quarter.* Professor Johnson.

186. POPULATION. Credit: 1 course.

A study of the backgrounds of immigration; the problems confronting the immigrant and the problems created by his presence in the United States; the processes involved in the assimilation of the immigrant, his children, and his grandchildren into our cultural life. *Five hours a week, spring quarter.* Professor Woofter.

192. CRIME. Credit: 1 course.

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the

social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, winter quarter.* Professor Brown.

193. SOCIAL PATHOLOGY. Credit: 1 course.

A survey of the abnormal and pathological aspects of society. Among the problems studied are feeblemindedness, insanity, physical defectiveness, malnutrition, alcoholism, prostitution, vagrancy, family disorganization. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Brown.

198. JUVENILE DELINQUENCY. Credit: 1 course.

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

199. PUBLIC CARE OF CHILDREN. Credit: 1 course.

This course is intended primarily for students who expect to follow social work as a profession. The major part of the course will be devoted to the study of methods and technique of the social agencies engaged in the social treatment of the different classes of children who stand in need of public care and protection, such as the delinquent child, the dependent or neglected child, the defective child, and children in employment. The latter part of the course will be devoted to a discussion of public responsibility for the welfare of children in general, especially from the standpoint of education, health, and maintenance. *Five hours a week, winter quarter.* Professor Sanders.

Courses Primarily for Graduates

208. METHODS IN SOCIAL RESEARCH. Credit: 1 course.

Outlines of social research including the spirit of scientific research, social research and the new alignment of the social sciences, the historical approach to the social sciences, the qualifications of the social research specialist, the divisions and general methods of social science, types of method and approach; the statistical, the survey, the experimental, the case; the biological, the psychological, the anthropological or comparative, the historical; the range of general sources, research agencies and groups, reading and bibliography as tools, the utilization of notes and records, schedules, questionnaires and forms, common sense technique, preparation of manuscript and publication, examples of social research and bibliographies. *Five hours a week, fall quarter.* Professor Odum.

209. SOUTHERN REGIONAL SOCIAL PROBLEMS. Credit: 1 course.

An extended survey of the field of regional social problems in the Southern States, classified and grouped under certain sociological categories and physical backgrounds, cultural patterns, processes of social change, social incidence, individual and social differentiation, institutions and leadership, social programs, social science, and social research. Topical analysis and extensive questions supplemented with concrete data and special thorough study of given selected problems. *Five hours a week, winter quarter.* Professor Odum.

210. FOLK SOCIOLOGY. Credit: 1 course.

A study of collective representations and processes attempting descriptive accuracy primarily through portraiture and analyses. The primary basis of the course will be concrete materials related to folk attitudes and cultures, ranging from primitive folklore and folk wisdom to regional culture patterns. The chief objective is an attempt to seek certain contributions to social theory as related to the building of cultures. *Five hours a week, spring quarter.* Professor Odum.

215. SOCIAL DEMOGRAPHY. Credit: 1 course.
The course attempts to synthesize the emerging concepts of culture and the region by depicting the resulting cultural landscape. The contributions of cultural anthropology, social geography, regional sociology, and human ecology are studied in an effort both to evaluate the socially significant factors of the environment and to arrive at a classification of regions, culture areas, and social types. The American South is used as a type study for the survey of regions in transition. *Five hours a week, spring quarter.* Mr. Vance.

266. PUBLIC WELFARE. Credit: 1 course.
1. The organization of Public Welfare in the United States. 2. Detailed study of the North Carolina Plan. 3. Office Organization and Administration. Alternates with 267. (1932-1933 and alternate years.) *Five hours a week, spring quarter.* Professor Brown.

267. SOCIAL LAWS. Credit: 1 course.
The development of social legislation pertaining to important social problems. Special attention to social laws of North Carolina. Alternates with 266. (1931-1932 and alternate years.) *Five hours a week, spring quarter.* Professor Brown.

327, 328, 329. GRADUATE RESEARCH SEMINARS. Credit: 3 courses.
Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Odum.

331, 332, 333. GRADUATE RESEARCH SEMINARS. Credit: 3 courses.
Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Groves.

341. SEMINAR. Credit: 1 course.
Individual research in a special field under the direction of a member of the Department.

DEPARTMENT OF ZOÖLOGY

Professors WILSON, COKER; Associate Professor BEERS; Teaching Fellows DENDY, GREEN; Assistants MISS DEVINEY, MESSRS. PHELPS, HEFFNER, WHITELEY

Courses for Undergraduates

41a. FUNDAMENTALS OF ANIMAL BIOLOGY. Required accompanying course, Zoölogy 41b. Credit with 41b: 1 course.
Elements of anatomy, physiology, and classification of animals. *Three hours a week, fall or winter quarter.* Professor Coker.

41b. PRACTICAL STUDIES IN ANIMAL BIOLOGY. Required accompanying course, Zoölogy 41a. Credit: see 41a.
Dissection of animals and study of tissues, to give the foundation for an understanding of the organization and functions of vertebrate animals and especially of man. *One lecture and four laboratory hours a week, fall or winter quarter. Laboratory fee, $5.00.* Professor Coker and Assistants.

42a. DEVELOPMENT OF ANIMALS. Prerequisite, Zoölogy 41ab. Credit: ½ course.
Basic facts and theories of individual development, heredity, and evolution. *Three hours a week, spring quarter.* Professor Wilson.

42b. INVERTEBRATE ZOÖLOGY. Prerequisite, Zoölogy 41ab. Credit: ½ course.
Study of invertebrate animals as examples of the varied forms of life and as concrete illustrations of the principles of biology. Field trips are made for the purpose of observing animals in nature. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professor Coker and Assistants.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE ANATOMY OF VERTEBRATES. Prerequisite, Zoölogy 41ab and 42ab. Credit: 1 course.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Beers.

104. COMPARATIVE EMBRYOLOGY OF VERTEBRATES. Prerequisite, Zoölogy 41ab and 42ab. Credit: 1 course.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; essentials of microscopic technique. Laboratory work with occasional lectures. *Ten laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Beers.

105. COMPARATIVE HISTOLOGY OF VERTEBRATES. Prerequisite, Zoölogy 104. Credit: 1 course.

Microscopic preparations of selected tissues and organs are made from the fresh animal and studied with the help of texts and original papers. Laboratory work with assigned reading and seminar reports. *Ten laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professor Beers.

106-107-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES. Prerequisite, Zoölogy 41ab and 42ab. Credit: 3 courses.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00.* Professor Wilson.

109. INTRODUCTION TO HYDROBIOLOGY. Prerequisite, Zoölogy 41ab and 42ab. Credit: 1 course.

A study of animal life in water, with special reference to the relation of animals to each other and to their environments. Field and laboratory work, lectures, reading of special papers, discussions. *Ten laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Coker.

110. INTRODUCTION TO PROTOZOÖLOGY. Prerequisite, Zoölogy 41ab and 42ab. Credit: 1 course.

A consideration of the structure, classification, and life histories of the one-celled animals, with special reference to those of medical importance—in particular, the intestinal protozoa and the causative agents of malaria and sleeping sickness. *Lectures and demonstrations, five hours a week, winter quarter.* Professor Beers.

Courses Primarily for Graduates

209-210-211. GENERAL EMBRYOLOGY AND REGENERATION. Credit: 3 courses or more.

Embryology and regeneration in the lower metazoa and simpler vertebrates. *Not less than ten laboratory hours a week, fall, winter, and spring quarters. Seminar reports. Laboratory fee, $5.00 a quarter.* Professor Wilson.

212-213-214. HYDROBIOLOGY. Prerequisite, Zoölogy 109. Credit: 3 courses.

The study of aquatic organisms and environments, with attention restricted to a particular topic, as a small group of animals, a limited set of habitats, or special phenomena of behavior. The work is on the border line of research, involving critical examination of literature, as well as field and laboratory study and seminar reports. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Coker.

215. PROTOZOÖLOGY. Credit: 1 course.

Special study of the protozoa living in man and lower animals, with consideration of host-parasite relationships and with comparative studies on a few free-

living forms. Laboratory work with occasional lectures, assigned readings, and seminar reports. *Ten laboratory hours a week, fall or spring quarter. Laboratory fee, $5.00.* Professor Beers.

316. RESEARCH. Credit: ½ or 1 course or more.

Under this heading may be credited the work of a single quarter or that of one or more years. *Six or ten or more laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 or $5.00.* Professor Wilson or Professor Coker or Professor Beers.

PART FOUR

THE DIVISION OF ADMISSION AND ADMINISTRATION
THE COLLEGE OF LIBERAL ARTS
THE SCHOOL OF APPLIED SCIENCE
THE SCHOOL OF ENGINEERING
THE SCHOOL OF EDUCATION
THE SCHOOL OF COMMERCE
THE SCHOOL OF PUBLIC WELFARE
THE GRADUATE SCHOOL
THE SUMMER SCHOOL
THE UNIVERSITY EXTENSION DIVISION

THE DIVISION OF ADMISSION AND ADMINISTRATION

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
THOMAS JAMES WILSON, JR., Ph.D., *Dean.*

*THE ADMINISTRATIVE BOARD

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DUDLEY DEWITT CARROLL, M.A.
FRANCIS FOSTER BRADSHAW, Ph.D.
ROBERT BURTON HOUSE, A.M.

GENERAL STATEMENT

Since the conclusion of the World War the University has experienced such a growth both in numbers and in breadth of policy and influence that it has been found necessary in many ways to revise and modify previously existing modes of action. From this influence came in March, 1920, the proposals of the University Advisory Committee with reference to the more definite organization of separate schools or faculties and the establishment of administrative boards for these separate schools. The proposals were adopted.

After about ten years it was generally felt that developments subsequent to the above action had led to practices and procedures not in strict accord with the plans adopted in 1920. After full in-

* In matters involving any of the schools of Law, Medicine, Pharmacy, the Graduate School, or the School of Library Science the Dean of the school concerned will sit as an active member of the Administrative Board.

vestigation and discussion by the Advisory Committee and the Administrative Officers of the University new regulations designed to make effective the original legislation of 1920 were proposed to the General Faculty and were adopted.

By these regulations the Special Faculties of Law, Medicine, Pharmacy, Engineering, and of the Graduate School and the undergraduate Faculty were definitely provided and their jurisdictions, powers, and duties were defined. At the same time were settled the status, powers, and duties of the Administrative Boards of all schools and divisions.

The division named at the head of this section was organized in 1931 for the purposes indicated by its title in order still further to organize and make more effective existing agencies for the promotion of the good of the University. This division was at first appointed (and with a somewhat different personnel) as the Committee on Admissions, with instructions to investigate and discuss conditions along this line and to make a report to the President.

Following the formal report made on the deliberations and recommendations of the above committee the work was felt to be of enough importance to justify the organization of a division with a dean and administrative board and with a province embracing not only matters of admissions but those of general administration also. In the matter of admissions it is expected that the Administrative Board of this division will at its regular and special meetings continually keep a live and constructive interest in the establishment of policies and plans for improving the quality of our student body.

The other part of the work of the division is concerned with the general administration of the regulations of the University as they apply to students in the College of Liberal Arts and the other undergraduate divisions. Without a central body to control and direct this, inconsistencies in administration and decided variations in the application of regulations necessarily result. It is expected that the Dean with the help of the Administrative Board will settle matters of general administration with fairness and at the same time with sympathetic justice.

THE COLLEGE OF LIBERAL ARTS

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
ALLAN WILSON HOBBS, Ph.D., *Dean.*

*THE ADMINISTRATIVE BOARD

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ESEK RAY MOSHER, Ed.D.
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MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B.
HOWARD RUSSELL HUSE, Ph.D.
CORYDON PERRY SPRUILL, A.B., B.Litt. (Oxon.)
GEORGE RALEIGH COFFMAN, Ph.D.

REQUIREMENTS FOR ADMISSION

See page 41.

EXPENSES

See pages 44-48.

GENERAL STATEMENT

Historical Background

From the earliest founding of higher education in America, Colleges of Liberal Arts have played a responsible and major part in the training of citizens for the varied activities of life. For many years prior to our recent enthusiasm for specialization these colleges were the only form of higher education, the belief being that a man trained adequately in intellectual *habits* and given a sufficient cultural background had the best possible equipment for entering life and the professions. In recent years with the intense specialization of careers and the narrowing of departments of thought, the college has stood for the more liberalizing courses, as distinguished from specialized vocational or professional training, in the conviction that a trained mind is still a desideratum in contemporary life.

The position of the College of Liberal Arts at the University of North Carolina is analogous to that of similar colleges in others of America's better institutions—it is the original unit of education from which other schools have sprung.

In brief, it must be said that the purpose of the College of Liberal Arts is to secure for the students intellectual development and in-

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

telligent action through the pursuit of learning which is of three types: preparatory, cultural, and vocational. And in the end towards which these studies point is a development of all inherent powers, the discovery of latent capacities, and the ability to express intelligently one's own will, one's own ideas, and one's own emotions. From a full use of these opportunities should result a greater enrichment of the individual life and a more intelligent, a more thoughtful citizenship.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF ARTS

The curriculum leading to the degree of Bachelor of Arts is designed to provide a general, well-rounded, liberal education.

In order to be recommended for the degree a student must pass satisfactorily in thirty-six whole courses or equivalent including the prescribed subjects listed below and elective subjects in accordance with the requirements stated. In his senior year each student must also pass a comprehensive examination in the field of his major study. In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

In the first two years the student pursues a more or less definite curriculum in the following subjects:

English, three and one-half courses; foreign languages, three courses above the elementary courses in each of two languages; history, one and one-half courses; mathematics, two courses; science, two courses; elective, three courses.

Beginning with the junior year the work is on an elective basis, providing what is deemed a proper amount of concentration in study and, at the same time, a certain distribution of subjects.

Students who expect at some time to carry out investigation in any science or scientific profession, such as medicine or engineering, are earnestly recommended to enter upon their senior year with a reading knowledge of German and French. Class work in these subjects should have included at least four courses in German and two in French.

Attention is called to the courses leading to the A.B. in Journalism, and the A.B. in Music, and to the work outlined for Degrees with Distinction.

Certain work in the School of Law or the School of Medicine may be counted towards the degree of Bachelor of Arts. The interested student should consult the Dean of the College of Liberal Arts or the Registrar of the University.

Freshman Year

English 1abc
Mathmatics 1-2
History 1-2-3

*Select two languages: Greek†, Latin‡, French 3-4, German¶, Spanish 3-4

By postponement of any one of these double courses until the sophomore year, a double course in science (Botany 1, 43; Chemistry 1-2; Zoölogy 41-42; Geology 11-12) may be taken in the freshman year. See above, however, for reduction of credit in case freshman courses are taken after the student begins his seventh quarter.

First year students may take not more than three courses in any one quarter except by special permission of the Dean.

Sophomore Year

English 21-22

Select one: Botany 41, 43; Chemistry 1-2; Geology 11-12; Physics 21-22; Psychology 21-22; Zoölogy 41-42; Botany 41 and Zoölogy 41

*Continue two languages: Greek, Latin, French 21, German 21, Spanish 21

Elective, 3 courses (see below)

[1]Sophomore Electives

Botany 41, 43
Chemistry 1-2
Economics 11, 31-32, 35
English 41, 42, 43, 44, 45, 46, 50, 51, 81, 82, 91
French 3-4, 21, 22
Geology 11-12
German 3-4, 21, 22, 31, 32
Greek 11, 12, 21, 53, 58
Government 21, 22
History 12, 41-42, 45-46, 47-48
Latin 11, 12, 22, 51, 71
Mathematics 13, 24, 25
Philosophy 41
Physics 21-22
Psychology 21-22
Sociology 41, 42
Spanish 3-4, 21, 22
Zoölogy 41, 42

If a course in science has been taken in the freshman year, the freshman course then postponed must be taken in place of the course in science required of sophomores.

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* It is expected that the languages in which the student presented high school credit are to be continued here. If other languages are chosen, it is necessary to take a greater number of courses to complete the requirements in foreign languages.

† Greek 13 and 14 are to be taken if the equivalent of Greek 1-2 has been offered at entrance. Note that Greek through course 21 is required to complete the sophomore requirement in this language.

‡ Latin 11 and 12 are to be taken if 4 units in Latin have been offered at entrance, Latin 2 and 11 if 3 units have been offered at entrance, Latin 1 and 2 if 2 units have been offered at entrance. In the last instance Latin 11 is to be taken in the sophomore year. Students who have offered 3 or 4 units are required to take 2 courses of college grade; those who have offered 2 units must take 3 such courses

¶ German 3-4 is to be taken if the equivalent of German 1-2 has been offered at entrance. Note that German 3-4 and an additional course (21, 22, 31, or 32) are required to complete the sophomore requirement in this language.

[1] The three elective courses must be chosen from this list and cannot be courses used by the student to meet any other requirements. Note that, if only two courses in Latin are required, the number of sophomore electives becomes four instead of three.

Not more than three whole courses and one half course may be taken in any one term except by special permission of the Dean. In case permission for extra work has been granted, a mid-term report of "X" on any course will necessitate the dropping of that course.

SYSTEM OF ELECTIVES

For the purpose of providing the necessary concentration and distribution of electives in the junior and senior years, the student is required to elect one major field of study. The head of this major department (or his authorized representative) then controls the student's work for both his major and minor. The student is required to pass 6 to 8 courses in his major department and 3 or 4 courses in a second (or minor) department to be specified by the adviser in his major subject.

Junior Year

A junior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, except by permission of the Dean, and in no case will he be permitted to pursue more than four courses at one time, except by special permission of the Administrative Board. In case permission for extra work has been granted, a mid-term report of "X" on any course will necessitate the dropping of that course.

One department from among the various departments in the college must be selected for concentrated study. This is known as the *major* department. Not fewer than three courses nor more than five courses may be elected in this department in the junior year. The courses are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether these courses shall be prescribed in his own department, or any part of them in allied departments.

The remaining courses (four to six) are free electives, subject only to the restriction that one or two courses must be chosen from a department representing the student's *minor*. This choice should be made with a view to the continuance of the same subject in senior year (see senior requirements) and under the direction of the head of his major department.

The remaining courses, if any, shall be free electives in any courses open to juniors.

Senior Year

A senior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, except by permission of the Dean, and in no case will he be permitted to pursue more than four courses at one time, except by special permission of the Administrative Board. In case permission for extra work has been granted, a mid-term report of "X" on any course will necessitate the dropping of that course.

A senior shall continue in the department of concentrated study begun in the junior year, known as his *major*. Not fewer than three courses nor more than five courses may be elected in this department in the senior year. The courses are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether these courses shall be prescribed in his own department, or any part of them in allied departments.

The remaining courses (four to six) are free electives, except that enough courses must be chosen in his *minor* department, in which a course has already been elected in his junior year, to complete the *minor*.

Before being eligible for a degree, a senior must pass to the satisfaction of his major department a comprehensive examination in the subject of his major. This examination will normally be given in the winter quarter of the senior year.

CURRICULUM LEADING TO THE DEGREE OF A.B. IN JOURNALISM

The course of study for the first two years is the same as that required of all other candidates for the A.B. degree.

The following twelve and one-half courses are specified in the junior and senior years:

English 52 or 53 or 54
Economics 31-32
Government 21 and 131
History 47-48 or 161-162
Commerce 161 or Psychology 136
Four and one-half courses in Journalism.

Five and one-half courses elective are to be chosen. The following list is suggested, but the student may make other selections provided he secures the consent of the head of the Department of Journalism.

Economics 141, 191, 195
English 52, 53, 54, 82, 143
An advanced elective in one foreign language
Geology 53
Library Administration 121
Economics 11
Philosophy 56 or 57 or 131-132-133

CURRICULUM LEADING TO THE DEGREE OF A.B. IN MUSIC

The following courses are prescribed for the first two years:

English 1abc, 21-22
Foreign Language, 6 courses (3 courses above the elementary courses in each of two foreign languages)
History 1-2-3
Music, the following courses: 1, 3-4-5, 21-22-23, 24-25-26

During the junior year Psychology 21 and 22 are required. During the junior and senior years nine courses in music are required. Of these nine courses six are in theoretical music, music 81-82-83 (applied music) being counted *at the end of the senior year* for three courses. See page 140 for explanation of music 81-82-83.

DEGREES WITH DISTINCTION

Honors of two grades, *Honors* and *Highest Honors*, will be awarded at Commencement to those candidates for the degree of Bachelor of Arts who have done distinguished work in a group of related subjects. Every candidate for Honors must register before the end of the first quarter of his junior year with the Committee on Degrees with Distinction. He shall file a statement, properly approved, of the courses which he proposes to elect, and these electives shall be such as to show a unified plan and to provide for a field of concentrated study involving, as a rule, two departments within the division in which his major work lies. In connection with the regular courses, candidates are expected to do, in term-time and in vacations, a considerable amount of additional reading, or such other supplementary work as may be prescribed by the department. In every case such additional work must be closely related to the general plan of study adopted by the candidate. Students will have the guidance and assistance of special instructors, and small groups will be formed for the discussion of the reading and of the courses. This tutorial assistance will be entirely independent of the conduct of the courses, the object being to stimulate interest in reading not required as a part of the regular class work for its cultural value rather than for direct preparation for examinations.

Besides the careful organization of the plan of study and the conferences, a thesis and a final oral examination are required. The thesis need not necessarily be a contribution to knowledge, but is designed to show the ability of the student to use his knowledge with intelligence and to interpret facts and his personal reaction upon the material studied in the courses or derived from the supplementary reading. The examination will test the candidate's knowledge of the whole field of concentrated study, and will also test his proficiency in a special topic, within the general field. The aim of the entire plan of study is thus to secure, as far as possible, a conception of a field of learning as a unity; to prevent, through the various measures named above, undue emphasis on the separate

courses as independent units; and to lay the foundation for right methods through concentrated study in some part of the field.

The administration of the Honors courses is vested in a Committee on Degrees with Distinction, which consists of representatives from each of the three divisional groups into which the Faculty of the College of Liberal Arts is divided. At present Honors are offered in the Division of Languages and Literature and in the Department of History and Government.

THE SCHOOL OF APPLIED SCIENCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
JAMES MUNSIE BELL, Ph.D., *Dean.*

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ISAAC HALL MANNING, M.D.

REQUIREMENTS FOR ADMISSION

See page 41.

EXPENSES

See pages 44-48.

CURRICULUM FOR THE DEGREE OF BACHELOR OF SCIENCE

In order to be recommended for the degree of Bachelor of Science in this School the student must have passed satisfactorily in all the studies required in one of the following curricula outlined in this department. Each curriculum combines instruction in certain sciences and their application to the arts, with certain other general studies deemed essential to a liberal education. These curricula are designed to furnish the fundamental instruction for some of the technical professions. The curricula leading to the degree are three in number, as follows:

Bachelor of Science in Chemistry.
Bachelor of Science in Medicine.
Bachelor of Science in Geology.

In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

Besides the curricula leading to degrees as shown above, this School offers curricula preparatory to the study of medicine and of

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

dentistry. Outlines of the curricula leading to degrees and of these premedical and predental curricula are given below.

BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR

Fall Quarter: Chemistry 1, Mathematics 1, English 9a.
Winter Quarter: Chemistry 2, Mathematics 2, English 9b.
Spring Quarter: Chemistry 31, Chemistry 6, Mathematics 13, English 9c.

SOPHOMORE YEAR

Fall Quarter: Chemistry 41, Chemistry 51, Mathematics 24, English 21.
Winter Quarter: Chemistry 42, Chemistry 61, Mathematics 25, Physics 21.
Spring Quarter: Chemistry 43, Chemistry 62, Physics 22, English 22.

JUNIOR YEAR

Fall Quarter: Chemistry 66, Chemistry 91, Chemistry 163, Geology 43.
Winter Quarter: Chemistry 92, Chemistry 81, Geology 44.
Spring Quarter: Chemistry 82, Chemistry 86, Elective.

SENIOR YEAR

Fall Quarter: Chemistry 121, Chemistry 191, Elective.
Winter Quarter: Chemistry 122, Chemistry 192, Elective.
Spring Quarter: Chemistry 123, 2 Elective Courses.
Suggested Electives: Chemistry 71, 93, 101, 164, 165, 167, 168, 183, 184.

BACHELOR OF SCIENCE IN MEDICINE

NOTE: Students pursuing the academic subjects listed below are hereby notified that the completion of these courses does not necessarily mean admission to our School of Medicine. From the rather long list of applicants are chosen about forty who are deemed the most promising material for admission to our School. No arrangement exists for granting the degree of S.B. in Medicine for work in any medical school other than ours. Therefore, in order to secure our S.B. in Medicine, the student must complete the two years of work offered in our School of Medicine and in no other such school.

FRESHMAN YEAR

Fall Quarter: English 1a, Chemistry 1, Mathematics 1, French 3 or German 3.*

Winter Quarter: English 1b, Chemistry 2, Mathematics 2, French 4 or German 4.*

Spring Quarter: Botany 1, English 1c, Chemistry 31,

* See note * on following page.

SOPHOMORE YEAR

Fall Quarter: Zoölogy 41, English 21, French 21 or German 21.*
Winter Quarter: Physics 21, English 22, Chemistry 42.
Spring Quarter: Zoölogy 42, Physics 22, French 22 or German 22.*

JUNIOR YEAR

Fall Quarter: Psychology 21, †Elective, 2 courses.
Winter Quarter: Psychology 22, Chemistry 61, †Elective, 1 course.
Spring Quarter: Chemistry 62, †Elective, 2 courses.

BACHELOR OF SCIENCE IN GEOLOGY

FRESHMAN YEAR

Fall Quarter: Geology 11, Chemistry 1, English 1a, Mathematics 1.
Winter Quarter: Geology 12, Chemistry 2, English 1b, Mathematics 2.
Spring quarter: Chemistry 31, English 1c, German 3 or Spanish 3 or French 3‡.

SOPHOMORE YEAR

Fall Quarter: Geology 43, German 4 or Spanish 4 or French 4, Botany 41.
Winter Quarter: Geology 44, English 21, Physics 21.
Spring Quarter: Geology 41, English 22, Physics 22, Geology 47.
Summer Session: Geology 48-49 or equivalent.

NOTE. Each student is required to pass a test in place geography before beginning his junior year.

JUNIOR YEAR

Fall Quarter: Geology 121, ¶Elective, 2 courses.
Winter Quarter: Geology 122, ¶Elective, 2 courses.
Spring Quarter: Geology 51 or elective, ¶Elective, 2 courses.

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* If French is not offered as an entrance credit, the elementary courses must be taken in the University without credit. The same principle applies to German Note that this curriculum requires four courses of college grade work in French or German above the elementary courses 1 and 2, or two such courses in French *and* two such courses in German. In case both French and German are taken, note that the requirements are French through course 4 *and* German through course 4. In case only one language is taken, that language must be continued through French 22 or German 22 according to the language chosen

† Note that five full courses of electives are required in addition to the courses prescribed above, making twenty-seven full courses of college work, exclusive of any elementary courses in French or German which may be taken to make up the entrance requirement in either language.

‡ If no modern foreign language was offered for entrance, the elementary courses 1 and 2 in one language must be taken in the University without credit, and these must be followed by courses 3 and 4 in the same language.

¶ All electives in both junior and senior years, must be chosen in conference with the instructor in charge of the student's special program of work: the electives are not free electives.

SENIOR YEAR

Fall Quarter: Geology (elective), *Elective, 2 courses, Seminar.
Winter Quarter: Geology (elective), *Elective, 2 courses, Seminar.
Spring Quarter: Geology (elective), *Elective, 2 courses, Seminar.

PREMEDICAL OR PREDENTAL CURRICULUM
(Suggested Two Year Curriculum)

FRESHMAN YEAR

Fall Quarter: Chemistry 1, English 1a, Mathematics 1, †French 3 or German 3.
Winter Quarter: Chemistry 2, English 1b, Mathematics 2, French 4 or German 4.
Spring Quarter: Chemistry 31, English 1c, Botany 1.

SOPHOMORE YEAR

Fall Quarter: Zoölogy 41, Psychology 21, Physics 21.
Winter Quarter: Physics 22, English 21, Chemistry 61.
Spring Quarter: Psychology 22, Zoölogy 42, Elective, 1 course.

The curriculum outlined above is planned with the object of preparing a student in the shortest possible time to enter upon the study of medicine. It is not laid down as inflexible but is suggested to meet the requirements of Schools of Medicine which require only two years of academic work (sixty semester hours). Further work in physics and in organic chemistry should be taken in the summer following the completion of the above work if possible.

Students preparing for the study of dentistry are advised to follow the curriculum outlined above. It is recommended, however, that they secure at least the equivalent of one course in drawing. At present Schools of Dentistry vary as to entrance requirements from graduation from a high school to two years of college work. Those requiring one year of college work set as a minimum the completion of the following subjects in the amounts stated: Six semester hours in each of the following—English, general chemistry, biology, college physics (unless 1 unit was presented for entrance), and one subject from foreign language, history, mathematics, technical drawing. The remaining hours are free electives.

The curriculum outlined below, while not so complete as the two-year course above, is planned to meet the entrance requirements of schools of dentistry which admit students who have had one year of college work. If the applicant has presented one full unit of

* All electives must be chosen in conference with the instructor in charge of the student's special program of work: the electives are not free electives.
† If neither French nor German is offered for entrance, the elementary courses 1 and 2 in one language must be taken in the University without credit. Note that this curriculum requires French *or* German through course 4.

credit in physics from his high school, Physics 21-22 are not required but are strongly recommended. In case Physics 21-22 are not taken the student is required to take other courses of college grade in order to make his total credits sufficient to meet the requirement of thirty semester hours.

The predental student who has selected the dental school in which he desires to do his work should secure a catalogue of such school, note well its requirements, and conform his predental training to them.

ONE YEAR PREDENTAL CURRICULUM

Fall Quarter: Chemistry 1, English 1a, Mathematics 1.

Winter Quarter: English 1b, Mathematics 2, Chemistry 2, Zoölogy 41.

Spring Quarter: Physics 21, Botany 1, English 1c.

Summer Quarter: Physics 22, Chemistry 31.

THE SCHOOL OF ENGINEERING

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
HERMAN GLENN BAITY, Sc.D., *Dean.*

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REQUIREMENTS FOR ADMISSION

See page 42.

EXPENSES

See pages 44-48.

HISTORICAL SKETCH AND DESCRIPTION OF COURSES

Courses in engineering of professional grade have been given at the University of North Carolina since the opening of the institution in 1795. In fact the first student of the University, Hinton James, after a distinguished career as a student, engaged in the successful practice of the profession. Prior to June, 1922, the courses in engineering were grouped in the School of Applied Science; but owing to a rapid development in engineering here, and due to the great need of well trained professional engineers, especially in the State of North Carolina, the Board of Trustees separated the Department of Engineering from the School of Applied Science and authorized the formation of a distinct school of engineering. In this school, at present, are included the Divisions of Civil, Electrical, and Mechanical Engineering; the school offers a curriculum in Chemical Engineering also.

The instruction offered in the School of Engineering consists of four-year curricula leading to the degrees of Bachelor of Science in Chemical, Civil, Electrical, and Mechanical Engineering.

* The President, the Registrar, and the Dean of Students are *ex officio* members of the Administrative Board.

The degree of Master of Science in Engineering will be conferred on students who have satisfactorily completed approved graduate work extending over not less than one year. The course of studies leading to the Master's degree will be found in the catalogue of the Graduate School.

The importance of English in the curriculum has been emphasized and the courses are arranged so that students will receive instruction in English during each of the four years. Much attention is also given to training the young students in public speaking. This is an acquired art, and a very successful adjunct of an engineering education. Engineers must necessarily be versed in business affairs; and to meet this condition students will devote considerable time to economics and business administration and management. During the first three years, the contents of the curriculum are practically the same for all engineering students. Fundamentals in mathematics, mechanics, and other sciences are contained in these first three years while the applications of these fundamentals are illustrated throughout the course by the solution of practical problems in engineering.

The intimate contact of engineering students with the academic students and the participation of the former in all University activities is regarded as a valuable part of their general training.

COÖPERATIVE ENGINEERING EDUCATION

For the past twenty years or more a great amount of time and thought has been devoted to engineering by engineering teachers and the profession at large with the idea in mind of adopting some method in engineering education which would develop the observation and initiative of the students and bring them in touch with outside things during their theoretical training. Criticism has often been directed by practising engineers against young engineering graduates that they did not have any grasp or conception of practical things after four or five years of theoretical training.

Realizing that the coöperative system of training young engineers is a distinct step forward, the Engineering School at the University of North Carolina adopted this plan of education in September, 1922.

Under this plan the students of the junior class, except those studying Chemical Engineering, are divided into two groups designated as Sections I and II. The students in each group spend half their time at the University and the other half in actual engineering work. Each student has an alternate so that when a student of Section I is at school his alternate in Section II is on the job. At definite intervals the student from Section II goes to school while his alternate in Section I takes his place on the job. This alternation continues throughout the junior year up to the latter part of September. Both sections attend the University full time during their senior year.

In order to compensate for the time that the students are away from school during the junior year, instruction is given to all engineering students for a period of twelve weeks in the summer following the sophomore year, and for twelve weeks in the summer following the junior year to coöperative Section II. Under this plan the students receive the same amount of school work as under the conventional four-year plan. The students receive pay for their services during the time that they are engaged in their outside work, thus enabling them partially to defray their expenses during their junior year.

Students in Chemical Engineering spend the junior year in residence. In lieu of coöperative work, they are expected to work for one summer in the plant of a chemical industry. The University will assist as far as possible in securing such summer positions.

PROGRAMS OF UNDERGRADUATE STUDY

S.B. IN CHEMICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 1, 2, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Mathematics 24E, 25E, 26E; Chemistry 41; Physics 21E, 22E, 23E; English 29ab; General Engineering 26abc, 36abc; Chemical Engineering 91; Electrical Engineering 32ab.

FIRST JUNIOR SUMMER SESSION

History 85; Chemistry 61, 62; Electrical Engineering 52a; Mechanical Engineering 53a.

JUNIOR YEAR

Economics 31, 32; English 59; German 1, 2; Chemistry 81, 82, 91; General Engineering 56a; Chemical Engineering 94; Electrical Engineering 52bc; Mechanical Engineering 53bc.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Chemistry 43, 191, 192; Chemical Engineering 191, 194, 195, 196, 197. Electives, 10 quarter-hours, from the following courses:

General Engineering 116a; Civil Engineering 65a; Mechanical Engineering 48abc; Geology 11, 12, 43-44; Chemistry 66, 92, 93, 163, 164, 165, 183, 184, 185.

S.B. IN CIVIL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 1, 2, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Economics 31; Mathematics 24E, 25E, 26E; Physics 21E, 22E, 23E; English 29ab; General Engineering 26abc, 36abc; Civil Engineering 20abc, 25a; Electrical Engineering 32ab.

FIRST JUNIOR SUMMER SESSION

Economics 32; Civil Engineering 55a, 60a; Electrical Engineering 52a; Mechanical Engineering 53a.

COÖPERATIVE JUNIOR YEAR
(Including Second Junior Summer Session)

English 59; History 85; General Engineering 56a; Civil Engineering 65a, 70a; Electrical Engineering 52bc; Mechanical Engineering 53bc.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Geology 77, 78; Civil Engineering 160abc, 165abc, 170abc, 175abc.

S.B. IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 1, 2, 42; English 9abc; General Engineering 1abc, 6abc; Electrical Engineering 2abc.

SOPHOMORE YEAR

Economics 31; Mathematics 24E, 25E, 26E; Physics 21E, 22E; English 29ab; General Engineering 26abc; Civil Engineering 30a; Electrical Engineering 22abc; Mechanical Engineering 48abc.

FIRST JUNIOR SUMMER SESSION

Economics 32; Electrical Engineering 62a; Mechanical Engineering 63a, 68a.

COÖPERATIVE JUNIOR YEAR
(Including Second Junior Summer Session)

History 85; English 59; General Engineering 56a; Civil Engineering 65a; Electrical Engineering 57a, 62bc; Mechanical Engineering 63bc.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Electrical Engineering 67a, 77a, 87a, 97abc, 102a, 112a, 122a, 162abc, 172abc.

S.B. IN MECHANICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 1, 2, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Economics 31; Mathematics 24E, 25E, 26E; Physics 21E, 22E, 23E; English 29ab; General Engineering 26abc, 36abc; Civil Engineering 30a; Electrical Engineering 32ab; Mechanical Engineering 48abc.

FIRST JUNIOR SUMMER SESSION

Economics 32; Electrical Engineering 52a; Mechanical Engineering 63a, 68a

COÖPERATIVE JUNIOR YEAR

(Including Second Junior Summer Session)

History 85; English 59; General Engineering 56a; Civil Engineering 65a; Electrical Engineering 52bc; Mechanical Engineering 63bc, 66a.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Mechanical Engineering 78abc, 88abc; Heat-power Option: Mechanical Engineering 73a, 83a, 93a; Aeronautical Option: Mechanical Engineering 166a, 176ab, 186ab.

COURSES OF INSTRUCTION

Except by special permission and as noted below (Courses Civil Engineering 35a and 40a) courses in engineering are open to students in engineering only.

The courses offered in the School of Engineering are described below under the general headings under which they naturally fall—General Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering.

GENERAL ENGINEERING

Courses for Undergraduates

G.E. 1abc. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY. Value, 12 quarter-hours.

Lettering and use of drawing instruments. Descriptive geometry, covering fundamental problems of the point, line, and plane and their application to problems of the intersection and development of surfaces. Problems in orthographic and isometric projections. *Two lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor Smith; Messrs. Feltner, Watson.

G.E. 6abc. ELEMENTARY MECHANICS. Corequisite, Mathematics 1-2-3E. Value, 6 quarter-hours.

The basic principles of statics and an elementary course in strength of materials, covering conditions of equilibrium, force, and funicular polygons, center of gravity, friction, beams, and jointed structures. This course correlates with first year mathematics and drawing. *Two hours a week, fall, winter, and spring quarters.* Professors Hickerson, Trimble, Smith; Messrs. Hollett, Watson, Noe.

G.E. 26abc. APPLIED MECHANICS. Prerequisite, Mathematics 1-2-3E, General Engineering 6abc. Value, 9 quarter-hours.

The fundamental conceptions of statics, kinematics and kinetics; including resultants of force systems, equilibrium of force systems, friction, centroids, moments of inertia of areas and bodies, motion of a particle, motion of rigid bodies, force, mass and acceleration, work and energy, impulse and momentum. *Three hours a week, fall, winter, and spring quarters.* Professors Hickerson, Trimble; Mr. Noe.

G.E. 36abc. MATERIALS OF ENGINEERING. Value, 9 quarter-hours for civil and chemical, and 6 quarter-hours for mechanical engineering students.

Constitution, physical properties, and tests of the important materials, such as wood, cement, stone, iron, steel, etc., used in engineering construction; metallurgy or iron and steel and the more important alloys. Civil and chemical engineering students are required to take all lecture and laboratory work; mechanical engineering students are required to take lectures only. *Two lecture hours a week, fall quarter, two lecture and three laboratory hours a week, winter and spring quarters. Laboratory fee, $4.00 a quarter for winter and spring.* Professors Trimble, White; Mr. Hollett.

G.E. 56a. THE STRENGTH OF MATERIALS. Prerequisite, Mathematics 24E-25E-26E, General Engineering 26abc. Value for chemical engineering students 5 quarter-hours; for civil, electrical, and mechanical engineering students, 6½ quarter-hours.

Mathematical and mechanical analysis of the stresses and strains occurring in the materials of engineering structures and machines; including such topics as static central loads, thin-walled cylinders, riveted joints, resilience, stress and deformation due to torsional loads, stresses in beams, deflection of beams, combined axial and bending loads, columns, combined normal and shearing stresses, impact and energy loads. Parallel laboratory exercises comprise tests of brittle and ductile materials in direct and indirect stress, and of riveted and welded joints. Experimental determination of stresses and deflections in beams and columns, and the comparison of these results with calculated values. *Five lecture and three laboratory hours a week, fall or summer quarter. Laboratory fee, $5.00.* Chemical engineering students do not take laboratory work or pay laboratory fee. Professors Hickerson, Trimble, Bailey.

Course for Graduates and Advanced Undergraduates

G.E. 116a. CONTRACTS AND SPECIFICATIONS. Value, 3 quarter-hours.

A course covering the laws of contracts, a detailed study of methods of writing correct specifications, the matter of securing or submitting bids, and the subject of bid bonds. *Three hours a week, spring quarter.* Professor Saville.

Courses Primarily for Graduates

G.E. 236abc. ADVANCED MATERIALS OF ENGINEERING. Prerequisite, General Engineering 36abc or the equivalent. Value, 6 quarter-hours a quarter.

Composition and physical properties of materials used in engineering construction; specifications and inspection methods; investigation of special properties and uses of important materials; improved methods of testing and manufacture; development of new methods of specification. *Three lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Trimble.

G.E. 256abc. ADVANCED STRENGTH OF MATERIALS. Prerequisite, General Engineering 56a. Value, 9 quarter-hours.

General theory of flexure, combined stresses, Lamé's theory for thick, hollow cylinders, flexure of curved beams; and other theoretical and empirical matter on the general subject of strength of materials that is not treated exhaustively in the undergraduate curriculum of most engineering schools. *Three hours a week, fall, winter, and spring quarters.* Professor Hickerson; Mr. Noe.

CHEMICAL ENGINEERING

Courses for Undergraduates

Ch.E. 91. INTRODUCTORY CHEMICAL ENGINEERING. Value, 6 quarter-hours.

A survey course covering materials used in the construction of chemical equipment, search of literature, elementary calculations, etc. In the laboratory the students assist the seniors in carrying out studies of the unit operations. *Three lecture and six laboratory hours a week, spring quarter.* Professor White.

Ch.E. 94. METALLURGY AND METALLOGRAPHY. Corequisite, Ch.E. 91. Value, 6 quarter-hours.

A study of the microscopic structure of ferrous and non-ferrous alloys and the effects of composition, heat treatment, and mechanical work upon these structures and the physical properties of these ferrous alloys. A portion of the

course is devoted to laboratory study. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $7.00.* Professor White.

Courses for Graduates and Advanced Undergraduates

Ch.E. 191. CHEMICAL ENGINEERING LABORATORY. Prerequisites, Ch.E. 194, 195; corequisite, Ch.E. 196. Value, 5 quarter-hours.

Efficiency studies on chemical equipment, plant erection studies, and unit process work in the laboratory. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor White.

Ch.E. 194-195-196. PRINCIPLES OF CHEMICAL ENGINEERING. Prerequisites, Ch.E. 91, 94. Value, 9 quarter-hours.

A study of the unit operations of chemical engineering, covering fluid flow, filtration, evaporation, distillation, etc. *Three hours a week, fall, winter, and spring quarters.* Professor White.

Ch.E. 197. CHEMICAL ENGINEERING CALCULATIONS. Value, 5 quarter-hours.

A study of material and heat balances in industrial processes. *Five hours a week, fall quarter.* Professor White.

Course Primarily for Graduates

Ch.E. 291-292-293. SEMINAR IN CHEMICAL ENGINEERING. Value, 9 quarter-hours.

A discussion and library course. Selected advanced topics in the field of chemical engineering will be studied. For the year 1931-1932 the subject of the work is combustion. *Two lecture and two library hours a week, fall, winter, and spring quarters.* Professor White.

Ch.E. 391-392-393. RESEARCH IN CHEMICAL ENGINEERING. Value, 16½ quarter-hours.

Research towards an advanced degree, the subject of which must be approved by the professor in charge. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters.* Professor White.

CIVIL ENGINEERING

Courses for Undergraduates

C.E. 20abc. CIVIL ENGINEERING DRAWING. Prerequisite, General Engineering 1abc. For civil engineering students. Value, 7½ quarter-hours.

Lettering and titling, map and blue print reading, topographic and traverse plotting, computing, and estimating. *One lecture and three laboratory hours a week, fall, winter, and spring quarters.* Professor Smith; Mr. Hollett.

C.E. 25a. FIELD EXERCISES IN SURVEYING. Prerequisite, Mathematics 1-2-3E. For civil engineering students. Value, 1½ quarter-hours.

Practice in the use and adjustments of tape, level, transit, plane table, etc., supplemented by the solution of field problems. *Three laboratory hours a week, fall quarter. Laboratory fee, $4.00.* Mr. Hollett.

C.E. 30a. ELEMENTARY PLANE SURVEYING. Prerequisite, Mathematics 1-2-3E. Value, 2½ quarter-hours.

An elementary course in the use and adjustments of surveying instruments for students in electrical and mechanical engineering. *One lecture and three laboratory hours a week, spring quarter. Laboratory fee, $4.00.* Professor Trimble; Mr. Hollett.

C.E. 35a. SURVEYING AND PLOTTING FOR NON-ENGINEERING STUDENTS. Prerequisites, Mathematics 1, 2. Value, 6 quarter-hours.

Methods of using the compass, transit, tape, and level in making ordinary surveys for land boundaries, acreage, volumes, profiles, and the establishment

of lines in their true position. It involves field measurements of distances and angles, the plotting and description of maps from such data, and the computation of areas, volumes, grade lines, true meridian, etc. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $6.00.* Professor Trimble; Mr. Hollett.

C.E. 40a. PLANE TABLE SURVEYING AND MAPPING. Prerequisite, Mathematics 1-2-3E, or the equivalent. Open to non-engineering students. Value, 2½ quarter-hours.

Preparation and interpretation of topographical maps. Lectures and field work. *One lecture and three laboratory hours a week, spring quarter. Laboratory fee, $4.00.* Professor Trimble; Mr. Hollett.

C.E. 55a. PLANE SURVEYING. Prerequisite, Mathematics 1-2-3E, Civil Engineering 25a. Value, 3¼ quarter-hours.

Elements of plane surveying theory. Intensive practice in the use of instruments and the solution of field problems. For civil engineering students who expect to attend the summer engineering camp. *Five lecture and three laboratory hours a week, first term of summer quarter. Laboratory fee, $4.00.* Professor Trimble.

C.E. 60a. SUMMER ENGINEERING CAMP. Prerequisite, Civil Engineering 25a, 55a, or equivalent. Value, 12½ quarter-hours.

Instruction in plane, topographic, railway, and highway surveying is given during the second six weeks of the summer term following the sophomore year. The course includes the following subjects: I. Chaining; differential, profile, and cross-section leveling; plane-table, transit, and stadia topographic surveys; solar and stellar observations for the determination of meridian and latitude; triangulation including base line measurement; measurement of stream discharge; hydrographic surveying. II. Simple, compound, reversed, spiral, and vertical curves; frogs and turnouts; reconnaissance surveys; preliminary surveys; paper location; final location; mass diagrams and earthwork computation; slope-staking; estimate of quantities and costs. III. Topographical drawing, mapping of traverse and boundary surveys, area computation, and other work of a similar nature. *Five lecture and forty laboratory hours a week, second summer term. Laboratory fee, $5.00.* Professor Trimble.

C.E. 65a. HYDRAULICS. Prerequisite, Mathematics 24E-25E-26E. Value, 5½ quarter-hours.

The principles of flow of water through orifices, weirs, tubes, nozzles, pipes, and open channels as applied to measurement of water in hydraulic engineering practice. The fundamental principles of impulse wheels, reaction turbines, and centrifugal pumps. *Four lecture and three laboratory hours a week, winter or spring quarter. Laboratory fee, $4.00.* Professor Saville; Mr. Watson.

C.E. 70a. GRAPHIC STATICS. Prerequisite, General Engineering 26abc. Value, 2½ quarter-hours.

Graphic determination of stresses in framed structures. *One lecture and three laboratory hours a week, fall or winter quarter.* Professor Smith; Mr. Noe.

Courses for Graduates and Advanced Undergraduates

C.E. 160abc. CITY PLANNING, HIGHWAY AND RAILWAY ENGINEERING. Prerequisite, Civil Engineering 60a, or equivalent experience. Value, 13½ quarter-hours.

The first quarter is devoted to a study of growth of cities, street plans, subdivisions, housing, recreational facilities, zoning, transportation terminals, traffic regulations. The second quarter is concerned with the study of location, construction and maintenance of the various types of highways, characteristics of road materials, highway administration, legislation, organization, and financing. In the third quarter are considered the problems and economics of railroad location and road bed construction and such practical subjects as ballast, ties and tie-plates, rails, frogs and switches, fences and cattleguards, bridge and

trestle floors, track signs, etc. Parallel laboratory exercises consist of practical and specific problems in city planning, location of highways and railways, the physical and chemical testing of road materials, study of reports, and observation of projects under construction and completed. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter.* Professor Trimble.

C.E. 165abc. HYDRAULIC AND SANITARY ENGINEERING. Prerequisite, Civil Engineering 65a. Value, 13½ quarter-hours.

The epidemiological background, principles, and practice of sanitation and public health engineering; the theory and fundamentals of design, construction, and operation of water supply and sewerage systems, water purification, and sewage treatment plants, as applied to municipalities and rural communities. Attention is given to studies of rainfall, stream flow, and storage as applied to water supply, water power, and waste disposal. Parallel laboratory exercises comprise problems in the layout and design of simple water supply and sewerage systems and water and sewage treatment works. Training is given in the operation of such utilities and the routine laboratory technique employed in their control. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter.* Professors Saville, Baity; Mr. Hollett.

C.E. 170abc. STEEL STRUCTURES. Prerequisite, General Engineering 56abc and Civil Engineering 70a. Value, 12 quarter-hours.

Theory of determinate structures, graphical and analytical determination of direct and secondary stresses occuring in engineering structures, such as roofs, bridges, buildings, dams, retaining walls, etc. Parallel design exercises comprise specific and complete problems in steel and timber structures, such as buildings, industrial plants, roof and bridge trusses and girders, retaining walls, and water towers. *Two lecture and three laboratory hours a week, fall and winter quarters, two lecture and six laboratory hours a week, spring quarter.* Professors Hickerson, Smith; Mr. Noe.

C.E. 175abc. REINFORCED CONCRETE STRUCTURES. Prerequisite, General Engineering 56abc. Value, 10½ quarter-hours.

Development of the mathematical principles involved in the design of plain and reinforced concrete beams, slabs, columns, foundations, retaining walls, arches, and girders. Parallel laboratory exercises comprise specific and complete problems illustrating the use of these structural elements in the design of buildings, bridges, and other reinforced concrete structures. *Two lecture and three laboratory hours a week, fall, winter, and spring quarters.* Professor Hickerson; Mr. Noe.

Courses Primarily for Graduates

C.E. 260ab. REGIONAL AND CITY PLANNING. Prerequisite, Civil Engineering 160abc, 165abc, or equivalent. Value, 3 quarter-hours a quarter.

Following an historical résumé of the subject, there is presented by means of lectures and readings a detailed topical analysis of the broad principles governing modern practice. The legal aspects are first treated, followed by consideration of the effects of physical factors, such as topography, river or sea front, etc. Consideration of communication facilities includes street plan, traffic control, transportation and transit problems, and port and industrial development. Zoning, housing, recreation, public health, statistics, public safety, and methods of financing precede a final analysis of numerous city or regional plans in effect in different parts of the country. *Three hours a week, winter and spring quarters.* Professors Saville, Trimble, and other members of the graduate faculty.

C.E. 265abc. ADVANCED SANITARY ENGINEERING. Prerequisite, Civil Engineering 65a, Civil Engineering 165abc, or their equivalent. Value, 9 quarter-hours.

An advanced course in sanitary and public health engineering, including the design and operation of water supply and sewerage systems, water and sewage treatment plants, water rate studies, leakage surveys, financial management,

stream sanitation, industrial waste, disposal, rural sanitation, garbage disposal, drainage, malaria control, etc. Occasional lectures are given by practising engineers and public works and public health officials. *Three hours a week, fall, winter, and spring quarters.* Professors Saville, Baity.

C.E. 270abc. ADVANCED STEEL STRUCTURES. Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc. Value, 9 quarter-hours.

Secondary stresses and statically indeterminate structures, including continuous girders of constant and variable moment of inertia, truss systems, steel arches, cantilever bridges, swing bridges, suspension bridges. *Three hours a week, fall, winter, and spring quarters.* Professor Hickerson; Mr. Noe.

C.E. 275abc. ADVANCED REINFORCED CONCRETE STRUCTURES. Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc. Value, 9 quarter-hours.

Analysis of monolithic and statically indeterminate reinforced concrete structures, including continuous slabs and beams, rigid frames, multiple-span culverts, tall building frames, tanks, reservoirs, gravity and arch dams, domes, skew bridges. Emphasis is placed upon the application of "Theorem of Least Work," "Slope Deflection Method," "Fixed Arch Theory," and "Method of Moment Distribution" in the solution of problems. *Three hours a week, fall, winter, and spring quarters.* Professor Hickerson; Mr. Noe.

C.E. 280a. HYDROLOGY. Prerequisite, Civil Engineering 165abc or equivalent. Value, 3 quarter-hours. This course may be continued for additional credit.

A detailed study of meteorology, rainfall, stream flow, storage, and other factors influencing hydrological investigations. The application of modern statistical methods to such problems is particularly stressed. *Three hours a week, fall quarter. Laboratory fee, $2.00.* Professor Saville.

C.E. 285ab. WATER POWER ENGINEERING. Prerequisite, Civil Engineering 280a or equivalent. Value, 6 quarter-hours.

The investigation and design of water power developments, including preliminary hydrological studies, investigation of dam foundations, dam design, characteristics and selection of turbines, etc. A complete report will be prepared, including estimated cost of development, market for power, relation to other power systems, and financing. This course may be followed by Electrical Engineering 262a, 272a, 282a. *Three hours a week, winter and spring quarters. Laboratory fee, $2.00 a quarter.* Professor Saville.

C.E. 290abc. SANITARY CHEMISTRY AND BIOLOGY FOR ENGINEERING STUDENTS. Prerequisite, Chemistry 1-2, Civil Engineering 65abc, or equivalent. Value, 6 to 18 quarter-hours.

A course designed to give intensive training in the laboratory methods employed in sanitary engineering practice. The work includes microscopical examinations; physical, chemical, and bacteriological determinations on water, air, milk, sewage, and industrial wastes; the analysis of sand and gravel for filtration purposes; limnological studies of streams and reservoirs; stream pollution investigations; and the application of laboratory tests to the control of sanitary works. Class and laboratory exercises are supplemented by field work and plant inspections. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Baity.

C.E. 360abc. HIGHWAY ENGINEERING RESEARCH AND DESIGN. Prerequisite, Civil Engineering 160abc or equivalent. Value, 6 quarter-hours a quarter.

Laboratory research problems in highway materials; investigation of problems in the scientific design and construction of modern road types; problems involving the development of equipment for use in investigation or specification of methods and materials. *Three lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Trimble.

C.E. 365abc. RESEARCH IN HYDRAULIC AND SANITARY ENGINEERING. Prerequisite, Civil Engineering 165abc or equivalent. Value, 6 to 18 quarter-hours.

For graduate or special students desiring to conduct investigations in hydrology, hydraulics, water or sewage treatment, or stream pollution. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professors Saville, Baity.

C.E. 370abc. RESEARCH IN STRUCTURAL ENGINEERING. Prerequisite, Civil Engineering 170abc, 175abc, or equivalent. Value, 6 quarter-hours a quarter.

A course for graduate students desiring to engage in an intensive analytical or experimental investigation of structural engineering problems. *Three lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professors Hickerson, Trimble.

ELECTRICAL ENGINEERING

Courses for Undergraduates

E.E. 2abc. INTRODUCTION TO ELECTRICAL ENGINEERING. Value, 9 quarter-hours.

The aim of this course is to give the student an acquaintance with the materials, apparatus, and terminology used in electrical engineering. The fundamental principles of current, voltage, resistance, energy, and power are studied by means of practical problems with commercial apparatus. Practical work in wiring, together with a study of the National Electric Code, is given in the spring quarter. *Two lecture and two laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter.* Professor Lear; Mr. Stainback.

E.E. 22abc. ELEMENTS OF ELECTRICAL ENGINEERING. Prerequisite, E.E. 2abc, Mathematics 1-2-3E. Value, 10½ quarter-hours.

A study of the fundamentals of direct-current motors and generators. For electrical engineering students. *Two lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter.* Professor Lear; Messrs. Winkler, Stainback.

E.E. 32ab. ELECTRICAL ENGINEERING. Value, 4 quarter-hours.

A course designed especially for non-electrical students. The first quarter is devoted to the fundamentals of electricity; the second to machine operation. *Two hours a week, fall and winter quarters.* Mr. Stainback.

E.E. 52a. FUNDAMENTALS OF ELECTRICAL ENGINEERING. Prerequisite, Mathematics 24E, 25E, 26E; Electrical Engineering 32ab. Value, 1½ quarter-hours.

A study of generation, transmission, control, and utilization of electrical energy. This course is designed to meet the needs of chemical, civil, and mechanical engineering students. *Three hours a week, first six weeks of summer quarter for Coöperative Sections I and II.* Professor Lear.

E.E. 52bc. FUNDAMENTALS OF ELECTRICAL ENGINEERING. Continuation of E.E. 52a. Value, 9 quarter-hours.

Three lecture and three laboratory hours a week, fall and spring quarters, for Section I; winter and summer quarters for Section II. Laboratory fee, $5.00 a quarter. Professor Lear; Mr. Winkler.

E.E. 57a PROBLEMS IN ELECTRICAL ENGINEERING. Value, 2 quarter-hours.

A special course in problems leading to the design of electrical machinery. *Two hours a week, winter and spring quarters.* Professor Lear.

E.E. 62a. ELECTRICAL MACHINERY. Prerequisite, E.E. 22abc, Mathematics 24E, 25E, 26E. Value, 4½ quarter-hours.

A thorough study of direct-current machines, from the standpoint of the theory of design and the economics of manufacture. *Three lecture and three laboratory hours a week, summer quarter, for Coöperative Sections I and II. Laboratory fee, $5.00 a quarter.* Professor Lear; Mr. Winkler.

E.E. 62bc. ELECTRICAL MACHINERY. Value, 9 quarter-hours.

A continuation of E.E. 62a with special emphasis on the use of complex quantities. *Three lecture and three laboratory hours a week, fall and spring quarters for Section I; winter and summer quarters, for Section II. Laboratory fee, $5.00 a quarter.* Professor Miller; Mr. Winkler.

E.E. 67a. INDUSTRIAL APPLICATIONS OF ELECTRICAL ENGINEERING. Prerequisite, E.E. 62abc. Value, 3 quarter-hours.

Selection, arrangement, and control of central station equipment; application and control of d.c. and a.c. motors for textile mills, steel mills, machine shops, etc.; industrial heating; electric furnaces; electric welding. *Three hours a week, fall quarter.* Mr. Stainback.

E.E. 77a. ILLUMINATING ENGINEERING. Prerequisite, E.E. 62abc. Value, 3 quarter-hours.

A study of the physical, physiological, and psychological principles of light and illumination; comparison of light sources; photometry; design of illumination systems for various commercial purposes. *Three hours a week, winter quarter.* Professor Lear.

E.E. 87a. ELECTRIC RAILWAY ENGINEERING. Value, 3 quarter-hours.

Design of electric railway systems; train resistance; speed-time curves; power requirements; motor equipment and control; distribution systems; main-line electrification. *Three hours a week, spring quarter.* Mr. Stainback.

E.E. 97abc. ELECTRICAL APPLICATIONS LABORATORY. Value, 6 quarter-hours.

One laboratory experiment and report a week, accompanying the courses in special fields; a considerable portion of the time will be spent in the standardization laboratory in calibration tests on direct-current and alternating-current measurements instruments, magnetic measurements, iron loss, and instrument transformers. *Four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 a quarter.* Mr. Stainback.

Courses for Graduates and Advanced Undergraduates

E.E. 102a. ELECTRIC CIRCUITS. Prerequisite, E.E. 62abc and Mathematics 24E, 25E, 26E. Value, 3 quarter-hours.

A mathematical study of the fundamental phenomena in the electric, magnetic, dielectric, and thermal circuits, emphasizing the circuital relations common to all. Considerable attention will be devoted to the application of complex quantities to alternating-current circuits. *Three hours a week, fall quarter.* Professor Miller.

E.E. 112a. ELECTRICAL MEASUREMENTS. Prerequisite, E.E. 102a. Value, 3 quarter-hours.

Theory, calibration, and use of instruments for the measurement of current, potential difference, power, and energy; bridge methods of measuring resistance, inductance, and capacitance; instrument transformers; magnetic measurements; dielectric tests; cable testing. *Three hours a week, winter quarter.* Professor Miller.

E.E. 122a. COMMUNICATION ENGINEERING. Prerequisite, E.E. 102a. Value, 3 quarter-hours.

A study of the fundamentals involved in the transmission of intelligence by telegraph, telephone, and radio; local and central office equipment for manual and machine switching systems; elements of telegraph and telephone transmission; laws of oscillatory circuits; radio transmission; study of the electron

tube as detector, amplifier, and oscillator. *Three hours a week, spring quarter.* Professor Miller.

E.E. 162abc. ALTERNATING-CURRENT MACHINERY AND POWER TRANSMISSION. Prerequisite, E.E. 62abc, Mathematics 24E, 25E, 26E. Value, 18 quarter-hours.

A thorough study of the theory of the alternator, transformer, synchronous motor, synchronous converter, induction motor, and generator, and the various types of single-phase commutator motors, and the electrical principles involved in long distance power transmission. *Three lecture and six laboratory hours a week. Laboratory fee, $7.00 a quarter.* Professor Miller; Mr. Winkler.

E.E. 172abc. DYNAMO DESIGN. Prerequisite, E.E. 62abc. Value, 12 quarter-hours.

Electrical, mechanical, and economic questions involved in the design of electrical machinery; the effect of the design constants on the proportions and operation of machines. Each student will be required to make complete calculations for a d.c. generator or motor, a transformer, and an alternator. *Two lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor Lear.

Courses Primarily for Graduates

262a. ELECTRIC TRANSIENTS. Value, 5 quarter-hours.

The mathematical theory of the phenomena of the transient state met with in the operation of electric circuits and machines; training in the technique of the oscillograph by the taking of a large number of oscillograms of characteristic transient phenomena. *Laboratory fee, $10.00.* Professor Miller.

272a. HYPERBOLIC FUNCTIONS APPLIED TO TRANSMISSION PROBLEMS. Value, 5 quarter-hours.

Use of hyperbolic functions of complex variables in the calculation of long distance transmission systems. Power relations in long lines; design of artificial lines. Professor Miller.

282a. DESIGN OF TRANSMISSION SYSTEMS. Value, 3 quarter-hours.

Economic principles involved in the preliminary layout; insulation and lightning protection; sag of conductors; mechanical design of poles and towers. Professor Lear.

382abc. RESEARCH AND DESIGN IN ELECTRICAL ENGINEERING. Value, 5 to 15 quarter-hours.

The solution of one or more definite problems in some particular field of electrical engineering. The work of this course will be outlined, as far as possible, to suit the needs of the individual student, and will consist of original investigations, designs, or the economic study of some existing electric power plant. Professor Lear.

MECHANICAL ENGINEERING

Courses for Undergraduates

M.E. 48abc. MECHANISM. Prerequisite, General Engineering 1abc, Mathematics 1-2-3E. Required of mechanical and electrical engineering sophomores. Value, 7½ quarter-hours.

The relative motions, velocities, and accelerations of machine parts, including a study of linkages, cams, gears, belts, gear trains, and other mechanisms. *One lecture and three laboratory hours a week, fall, winter, and spring quarters.* Mr. Carmichael.

M.E. 53a. STEAM AND GAS MACHINERY. Prerequisite, Mathematics 24-25-26E, Physics 21-22-23E. Required of civil and chemical engineering juniors, Coöperative Sections I and II. Value, 1½ quarter-hours.

A course in the fundamentals of steam and gas heat-power machinery, designed especially for the needs of students in civil and chemical engineering;

includes a study of the principles governing the operation of steam engines, steam turbines, gas engines, boilers, and boiler auxiliaries. *Three hours a week, first term of summer quarter.* Professor Hoefer.

M.E. 53bc. STEAM AND GAS MACHINERY. Prerequisite, Mechanical Engineering 53a. Required of civil and chemical engineering juniors. Value, 9 quarter-hours.

A continuation of Mechanical Engineering 53a. *Three lecture and three laboratory hours a week, fall and spring quarters for section I; winter and summer quarters for section II. Laboratory fee, $5.00 a quarter.* Professor Hoefer; Mr. Carmichael.

M.E. 63abc. THERMODYNAMICS AND HEAT ENGINES. Prerequisite, Mathematics 24-25-26E, Physics 21-22-23E. Required of mechanical and electrical engineering juniors. Value, 13½ quarter-hours.

A study of the laws governing the transformation of heat into mechanical energy; properties of gases and vapors; gas and vapor cycles; power, efficiency, and performance of heat engines; study of steam engines, steam turbines, gas engines, compressed air, and refrigeration. *Three lecture and three laboratory hours a week, summer quarter for Coöperative Sections I and II; fall and spring quarters for Section I; winter and summer quarters for Section II. Laboratory fee, $5.00 a quarter.* Professor Hoefer; Mr. Carmichael.

M.E. 66a. GENERAL AERONAUTICS. Prerequisite, Physics 21-22-23E or equivalent. Required of mechanical engineering juniors. Value, 2 quarter-hours.

A study of simple aerodynamics, airplane engines, aircraft instruments, navigation, and commercial aviation. Textbook: *Simple Aerodynamics* by Montieth and Carter. *Two hours a week, winter quarter for Coöperative Section II; spring quarter for Section I.* Professor Bailey.

M.E. 68a. ELEMENTARY MACHINE DESIGN. Prerequisite, General Engineering 26abc, Mechanical Engineering 48abc, Mathematics 24-25-26E. Required of mechanical and electrical engineering juniors, Coöperative Sections I and II. Value, 9 quarter-hours.

The study and design of the elementary parts of machines, including riveted joints, screws, keys, shafts, gearing, belting, and power transmissions, using the principles of mechanics and accepted empirical methods as a basis. *Three lecture and six laboratory hours a week during first term, six lecture and twelve laboratory hours a week during second term of summer quarter.* Professor Bailey.

M.E. 73a. STEAM ENGINES AND TURBINES. Prerequisite, Mechanical Engineering 63abc. Option for mechanical engineering seniors. Value, 6½ quarter-hours.

A continuation of thermodynamics and heat engines of the junior year, with further study in the field of steam engineering. It includes the laws governing the flow of fluids and applications to orifices and nozzles; advanced discussion of the thermodynamic process and cycles of vapors; a study of reheating and regenerative cycles as applied to steam turbine practice; a study of the simple and compound reciprocating steam engine. *Five lecture and three laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Hoefer.

M.E. 78abc. INTERNAL COMBUSTION ENGINES. Prerequisite, Mechanical Engineering 63abc. Required of mechanical engineering seniors. Value, 10 quarter-hours.

A continuation of thermodynamics and heat engines of the junior year, with further study in the field of internal combustion engines. It includes a more advanced discussion of the thermodynamic processes of gases and of gas cycles, involving variable specific heats and "Real Mixture Standards"; fuels and their combustion, carburetors and methods of fuel injection; performance of internal combustion engines. *Three lecture hours a week, fall quarter; two lecture and three laboratory hours a week, winter and spring quarter. Laboratory fee, $5.00 a quarter for winter and spring.* Professor Bailey.

M.E. 83a. STEAM BOILERS AND ACCESSORIES. Prerequisite, Mechanical Engineering 73a. Option for mechanical engineering seniors. Value, 7 quarter-hours.

A study of fuels and combustion, boilers and boiler accessories, gas producers, feed-water heaters, economizers, and condensers. *Five lecture and four laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Hoefer.

M.E. 88abc. MACHINE DESIGN. Prerequisite, General Engineering 56a, Mechanical Engineering 68a. Required of mechanical engineering seniors. Value, 18 quarter-hours.

A continuation of Mechanical Engineering 68a and the strength of materials given in General Engineering 56a. Stress analysis and design of basic machine parts, and the dynamics of machinery and engines. *Two lecture and eight laboratory hours a week, fall, winter, and spring quarters.* Professor Bailey.

M.E. 93a. STEAM AND GAS ENGINEERING DESIGN. Prerequisite, Mechanical Engineering 83a. Option for mechanical engineering seniors. Value, 7 quarter-hours.

Calculations used in the determination of sizes and the more important details of power plant apparatus, such as steam engines and turbines, gas engines, air compressors, boilers, etc.; problems in heating and ventilation. *Three lecture and eight laboratory hours a week, spring quarter.* Professor Hoefer.

Courses for Graduates and Advanced Undergraduates

M.E. 166a. AERODYNAMICS. Prerequisite, General Engineering 26abc, Civil Engineering 65a, Mechanical Engineering 66a. Option for mechanical engineering seniors. Value, 6½ quarter-hours.

This course covers fluid mechanics, similitude, functions and characteristics of air foils, theory and calculation of airplane performance, stability, control and maneuverability. Textbook: *Airplane Design* by Warner, *Applied Aerodynamics* by Barstow, and the reports of the National Advisory Committee for Aeronautics. *Five lecture and three laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Bailey.

M.E. 176ab. DESIGN OF AIRPLANES. Prerequisite, General Engineering 56a, Mechanical Engineering 166a. Option for mechanical engineering seniors. Value, 7 quarter-hours.

This course includes the calculation of airplane loadings, materials of construction, stress analysis, Department of Commerce requirements, design methods, weight control, and structural tests. Textbook: *Airplane Stress Analysis* by Klemin, *Airplane Design* by Warner, and references in structural analysis texts and current periodicals. *Two lecture and three laboratory hours a week, winter and spring quarters.* Professor Bailey.

M.E. 186ab. AIRPLANE ENGINES. Prerequisite, Mechanical Engineering 166a; corequisite, Mechanical Engineering 78abc. Option for mechanical engineering seniors. Value, 6 quarter-hours.

A study of airplane engines and propellers, design principles, performance calculations, and altitude effects; characteristics of existing engines, accessories, and engine testing and construction. Textbook: *The Airplane Engine* by Marks, and references in engine design textbooks, current literature, and manufacturers' specifications. *Three hours a week, winter and spring quarters.* Professor Bailey.

Courses Primarily for Graduates

M.E. 283abc. ADVANCED ENGINEERING THERMODYNAMICS. Prerequisite, Mechanical Engineering 78abc and 83a. Value, 5 quarter-hours a quarter.

An advanced course in thermodynamics with application to the theory and design of heat-power apparatus, such as steam engines and turbines, internal combustion engines, refrigerating machines, and heating and ventilating systems. Professor Hoefer.

M.E. 288abc. ADVANCED MECHANICAL DESIGN. Prerequisite, Mechanical Engineering 88abc. Value, 5 quarter-hours a quarter.

A mathematical and experimental study of the effects of motion and vibration on the design and performance of machines and structures. Professor Bailey.

THE SCHOOL OF EDUCATION

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
NATHAN WILSON WALKER, A.B., Ed.M., *Acting Dean.*
CHARLES EUGENE MCINTOSH, A.M., *Executive Secretary.*
*MARION REX TRABUE, Ph.D., *Director of the Bureau of Educational Research.*
ESEK RAY MOSHER, Ed.D., *Acting Director of the Bureau of Educational Research.*

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REQUIREMENTS FOR ADMISSION

See page 42.

EXPENSES

See pages 44-48.

PURPOSES

The primary purpose of the School of Education is to prepare young men and young women for the more responsible teaching positions, principalships, and superintendencies. Adequate preparation for such positions is required by statutory provision in all progressive American states. Every state is now spending vast sums of money for the education of the youth of the land. It is one of the primary functions, therefore, of the School of Education in a state university to fit prospective teachers and educational workers for their careers by developing in them the knowledge, attitudes, ideals, and skills necessary for successful teaching and administration.

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* Absent on leave, 1931-1932.
** The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
† Absent on leave, winter and spring quarters, 1932.
‡ Resigned, January 1932.

FREE TUITION

By an act of the General Assembly of 1887, free tuition is given to teachers in the schools of North Carolina and to prospective teachers who are residents of the State. In order to secure free tuition, the student applying for the privilege must sign an agreement to teach in North Carolina for at least two years within a period of three years after leaving the University.

This provision for free tuition is administered through the School of Education, and students availing themselves of the opportunity it affords are required to register in this school.

Teachers, who have been teaching in the schools of North Carolina for two years or more and are now actively in service, who come to the University for further training as *bona fide* teachers are not required to sign the usual teachers' notes, but are given Teachers' Free Tuition Tickets.

All applications for the free tuition privilege for teachers must be made through the Dean of the School of Education and must be approved before the privilege will be granted. This must be attended to before or at the time of registration.

CURRICULA LEADING TO THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

The requirements for the degree of Bachelor of Arts in Education are set forth below. Two curricula, both leading to the degree, are offered—the one is designed for the preparation of teachers for the secondary schools, and the other, for the preparation of teachers for the primary and grammar grades.

☞ In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

CURRICULUM FOR HIGH SCHOOL TEACHERS

Freshman and Sophomore Years (18 Courses)

The work of the first two years of this curriculum is similar in character to that of the first two years in the better colleges of arts and sciences. The requirements in brief are as follows:

English, 3½ courses. Freshman and Sophomore English 1abc, 21-22 (or the equivalent).

History, 1½ courses. Freshman History (1-2-3), or a year's work in American or European History will satisfy this requirement.

Foreign Language, 3 courses. (Preferably Latin or French.) Three courses in one language beyond the introductory courses (1-2) must be offered to satisfy this requirement.

Option: If the student prefers to do so, he may offer 6 courses of foreign language, instead of 3, in which case the requirement in mathematics and natural science (see below) may be reduced to 2 courses. Six courses in one of the preferred languages beyond the introductory courses, or 3 courses in either of them beyond the introductory courses and 3 courses in a second language beyond the introductory courses will satisfy the requirements of this option.

Mathematics and Natural Science, 4 courses. This requirement may be satisfied by any 2 of the following groups: (a) Mathematics 1-2, (b) Physics 21-22,

(c) Chemistry 1-2, (d) Geology 11-12, (e) Botany 41, 43, (f) Zoölogy 41, 42, (g) Botany 41 and Zoölogy 41.

Option: In case the student elects to offer 6 courses in foreign language (see under Foreign Language above), the requirement in mathematics and natural science may then be reduced to 2 courses. In that case any one of the foregoing groups (2 courses) will satisfy the requirements of this option.

Education, 2 courses. Education 21 and 31 (or the equivalent) will satisfy this requirement.

Elective. Additonal courses, subject to the approval of the Dean, must be offered to make a total of 18 courses.

Junior and Senior Years (18 Courses)

In the junior and senior years the candidate continues his studies in one or two (as he may elect) academic branches, designated as an academic major and an academic minor, and he also completes the remaining professional work required. In case the student elects to prepare to teach in only one academic field, he will not be required to offer an academic minor.

Those preparing for high school teaching are advised to make their choice of academic majors and minors from the combinations of teaching fields proposed by the North Carolina State Department of Education. These combinations are as follows: (a) English and Latin, (b) English and French, (c) natural science and mathematics, (d) history and one other field.

When once the teaching field has been chosen, the candidate's program of work is then to be directed by an advisory committee of two—composed of the head of the department in the Training School, whose field he has chosen for his academic major, and the Dean of the School of Education. In case the student elects to prepare to teach in two academic fields, his program of work is then to be conducted by an advisory committee of three—composed of the heads of the two departments in the Training School whose fields he has chosen for his academic major and his academic minor, and the Dean of the School of Education. There are at present six departments in the Training School which are organized for directed teaching as required in the curriculum designed for the preparation of high school teachers. These are the departments of English, Latin, French, history, mathematics, and natural science. The requirements in the corresponding academic departments of the University for the academic major and the academic minor are briefly as follows:

English: 1abc, 21-22 (or the equivalent) and additional courses to be approved by the head of the Department of English in the Training School:

For an Academic Major.....6 courses
For an Academic Minor.....4 courses

Latin: 1, 2, 11, 12 (or the equivalent) and additional courses to be approved by the head of the Department of Latin in the Training School:

For an Academic Major.....6 courses
For an Academic Minor.....4 courses

French: 3, 4, 21 (or the equivalent) and additional courses to be approved by the head of the Department of French in the Training School:

For an Academic Major.....6 courses
For an Academic Minor.....4 courses

History (and Other Social Science): History 1-2-3 (or the equivalent) and additional courses in history, government, economics, and geography to be approved by the head of the Department of History in the Training School:

For an Academic Major.....10 courses
(Including government, economics, and geography)
For an Academic Minor..... 6 courses
(Including government and economics)

Mathematics: 1-2 (or the equivalent) and additional courses to be approved by the head of the Department of Mathematics in the Training School:

For an Academic Major..... 5 courses
For an Academic Minor..... 3 courses

Natural Science: Mathematics 1-2 (or equivalent) and 2 courses in natural science (see freshman-sophomore requirements in mathematics and natural science) and additional courses to be approved by the head of the Department of Natural Science in the Training School. The program for either the major or the minor must include biology, chemistry, physics, and geography.

For an Academic Major..... 8 courses
For an Academic Minor..... 6 courses

Professional Requirements

The professional requirements for the junior and senior years (in addition to Education 21 and 31 required in the sophomore year) are as follows: Education 71, 98, 99, and for students electing to prepare to teach two academic subjects, two courses in the Materials and Methods of Instruction and two courses in Directed Teaching in the two academic fields in which the candidate chooses to qualify as a high school teacher, or two elective courses in education to be approved by the Dean. For those electing to prepare to teach one academic subject, the professional requirements for the junior and senior years are as follows: Education 71, 98, 99, and one course each in Materials and Methods, Directed Teaching, History of Education, and Measurements.

If additional courses are necessary in order to complete the minimum of 36 courses required for the degree, the courses offered for this purpose must be approved by the Dean of the School of Education before they will be accepted for graduation.

*CURRICULUM FOR ELEMENTARY SCHOOL TEACHERS

Education (9 Courses).

Introduction to Education (Education 21); sophomore year..... 1 course
Materials and Methods; junior year..... 3 courses
Psychology of Elementary School Subjects (Educ. 171); senior year 1 course
Directed Teaching; senior year..... 2 courses
A minimum of two courses to be elected by the student and approved by his adviser in junior and senior years: (A course in the philosophy of education is suggested)..... 2 courses

English (6½ Courses).

A minimum of English 1abc, 21-22.....3½ courses
1 course in American Literature..... 1 course
1 course in Children's Literature..... 1 course
1 course in reading and speech..... 1 course

Fine Arts in Elementary Education (3 Courses).

Courses to develop desirable attitudes, appreciation, and knowledge from which it is hoped will come the power of aesthetic expression.
Music..... 1 course
Drawing and Art..... 1 course
Dancing, Pageantry, Plays and Games..... 1 course

* Students from approved Normal Schools, Teachers Colleges, and standard Colleges of Arts and Sciences who enter the School of Education with junior standing may find that their credits do not correspond with the requirements of the freshman and sophomore years of this curriculum. In such cases reasonable substitutions will be made by the Dean of Admissions and the committee appointed to direct the remainder of the student's program.

Natural Science (3 Courses).

An orientation course in general science (General Science 1-2)	2 courses
Principles of Geography	1 course

Practical Arts in Elementary Education (2 Courses).

The materials, production, design, and evolution of food, clothing, house materials, and furnishings; utensils, tools, machines, and records as well as the effective selection, care and use of them	2 courses

Social Sciences (4 Courses).

American History	1 course
European History	1 course
Educational Sociology	1 course
Problems of Citizenship (including North Carolina History)	1 course

Academic Major (8 Courses) and *Academic Minor* (4 Courses).

An academic major and an academic minor must be selected by the student in consultation with his adviser at the beginning of the junior year. The academic major may be taken in any academic department in which a student in the College of Arts is permitted to complete a major. At least 8 courses are required for an academic major and at least 4 courses for an academic minor. The courses taken in the major and minor fields prior to the junior year may be counted toward meeting the requirements for the major and the minor, provided that not more than 4 such courses shall apply on the academic major.

Elective courses to complete a minimum of 37½ courses required for the degree.

TRAINING SCHOOL

The University's training school was made possible through the generosity of the General Education Board of New York. In May, 1926, this Board granted the University an appropriation of $75,000 for a five-year period for the purpose of enabling the School of Education to improve its facilities for the training of high school teachers. The School of Education officials immediately entered into an agreement with the Chapel Hill School Board to make use of the local public high school as the training school for the School of Education. Under this arrangement six departments in the Chapel Hill High School are used for purposes of observation, demonstration, and directed teaching. These are the departments of English, mathematics, French, Latin, history, and natural science.

At the head of each of these departments is a member of the School of Education staff assigned to regular teaching duties in the high school, who conducts in the School of Education courses in the materials and methods of instruction in his particular subject, and who also has charge of the "directed teaching" of students who are preparing themselves for teaching his subject. A Director of Training, who is also a member of the School of Education staff, has general supervision over the work of the training school.

In 1927, another agreement was made with the local school officials that enables the School of Education to make use of the elementary grades of the local public school for the training of

Primary and Grammar grade teachers. Thus the development and improvement of the local public school, from the first grade through the high school, has become a coöperative project of the Chapel Hill community and the University.

GRADUATE WORK IN EDUCATION: HIGHER DEGREES

The School of Education is prepared to offer a fairly wide range of graduate work as will be seen from the list of courses announced under the Department of Education. Graduate students in Education working for advanced degrees, Master of Arts, Master of Science, and Doctor of Philosophy, register in the Graduate School of the University.

LIBRARY FACILITIES

In addition to the library facilities afforded by the General Library, the School of Education has its own departmental library of over two thousand bound volumes and several thousand pamphlets, periodicals, and school reports. Here are to be found most of the more important recent books on education printed in English, all the more important educational journals and periodicals, to which the library is a regular subscriber, and a large collection of State and city school reports. The library is in charge of a trained librarian.

EXTENSION AND CORRESPONDENCE

Attention is called to the work in extension and correspondence courses listed elsewhere in this catalogue. In addition to the regular members of the University Faculty the following full-time instructors offer work in the Extension Division:

WILLIAM JOHN MCKEE, Ph.D., *Professor of Education.*
GEORGE HOWARD, Ph.D., *Professor of Education.*
ROY WILLIAMSON MORRISON, Ph.D., *Associate Professor of Education.*
CECILIA HATRICK BASON, M.A., *Assistant Professor of Education.*
GLADYS ANGEL, M.A., *Assistant Professor of Health and Physical Education.*
LINDA SHUFORD MCINTOSH, A.M., *Instructor in Education.*
LEROY F. JACKSON, M.A., *Instructor in Education.*

BUREAU OF EDUCATIONAL RESEARCH

The Bureau of Educational Research was organized in the School of Education on July 1, 1923, for the purpose of conducting and encouraging scientific research in the public schools of the State of North Carolina. This Bureau serves as a clearing-house for exact information about educational conditions in the State, collects and assembles the results of investigations conducted by other agencies dealing with social work, and carries on independent studies

of a scientific nature. Standard scales and tests for measuring the work of the schools may be purchased at cost through the Bureau.

The staff of the Bureau is at present composed of the professors in the School of Education and one statistical assistant. The Bureau is equipped to conduct surveys of any phase of school efficiency, and its services are given without charge to public schools in the State. Schools in other states will be charged a reasonable price for services rendered. Correspondence regarding investigations should be addressed to Dr. M. R. Trabue, Director of the Bureau of Educational Research.

TEACHERS' BUREAU

The School of Education conducts a teachers' bureau which is at the service of teachers and school officials without any cost to them except a nominal registration fee of $1.00. The annual registration of teachers runs from 300 to 500, most of whom register with it during the Summer School.

Correspondence from teachers regarding vacancies in the schools and from school officials regarding available teachers should be addressed to Mr. I. C. Griffin, Secretary of the Teachers' Bureau.

THE HIGH SCHOOL JOURNAL

The *High School Journal* is published eight times a year by the School of Education. All the professors in the school contribute to its columns, as do other members of the University Faculty. The subscription price is $1.50 a year. The Editorial Board is composed of professors in the School of Education.

ORANGE COUNTY SCHOOLS

The School of Education coöperates with the Orange County school officials in the administration and supervision of the public schools of the county. This phase of our work is conducted by Dr. E. W. Knight, who meets regularly with the county board of education to give such expert advice and assistance as the board may need or desire. Professor Knight also serves without pay from the county as Assistant County Superintendent of Schools.

EDUCATIONAL INFORMATION AND ASSISTANCE

The members of the School of Education, by virtue of their close contact with the schools of the State, their wide acquaintance with school officials, and their practical and theoretical knowledge of the State's school problems, are obliged to carry on constantly a rather considerable correspondence. Every year they are called upon by school officials and teachers to answer hundreds of letters of inquiry relating to every conceivable phase of educational administration and school procedure. There is no charge whatsoever for this service.

THE SCHOOL OF COMMERCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
DUDLEY DEWITT CARROLL, M.A., *Dean.*
CLAUDIUS TEMPLE MURCHISON, Ph.D., *Director of Research.*

*THE ADMINISTRATIVE BOARD

CLAUDIUS TEMPLE MURCHISON, Ph.D.
STURGIS ELLENO LEAVITT, Ph.D.
ERICH WALTER ZIMMERMAN, Ph.D.
ERLE EWART PEACOCK, A.B., M.B.A., C.P.A.
WILLIAM FLINT THRALL, Ph.D.
JOHN BROOKS WOOSLEY, Ph.D.
CORYDON PERRY SPRUILL, A.B., B.Litt., (Oxon.).
GEORGE HOWE, Ph.D.

GENERAL STATEMENT

Though courses of instruction in economics and in certain business subjects have been offered for many years in the University of North Carolina, not until 1919 was there established a regular business curriculum. In that year, the Legislature, in conformity with the recommendations of the President and the Board of Trustees, enacted the legislation which resulted in the immediate organization of the School of Commerce. The School occupies a place in the University organization which is coördinate in standing with the College of Liberal Arts and the School of Applied Science.

The undergraduate curriculum, leading to the degree of Bachelor of Science in Commerce, covers a period of four years and is designed to give a foundation of broad and general culture, and, at the same time, supply a definite training to those who intend to engage in any of the great lines of industrial and commercial activity. For those desiring more intensive specialization, the School of Commerce offers graduate courses leading to the degree of Master of Science in Commerce.

AIM AND PURPOSE

The phenomenal industrial growth of the South in recent years has produced an imperative need for trained business men. The School of Commerce in a large sense is the expression of the University's desire to serve this special need of its own particular section. To this end substantial support has been accorded the School by both the University and the State as a whole. In consequence the

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

School has been provided with a large and able corps of instructors, with spacious quarters in Bingham Hall, and with thoroughly modern teaching facilities.

It is the purpose of the School of Commerce to provide its students with as thorough and scientific business training as it is possible to give within the range of the subjects which it attempts to cover. Its teaching policy assumes that such training should consist not only of the requisite understanding of the principles and methodology which govern the organization and administration of typical business enterprises, but in addition an understanding of the problems and the larger relationships of the economic organization as a whole. In his attempt to master the technical and the vocational aspects of business, the student will not be permitted to lose sight of the social and cultural.

TEACHING POLICY

Wherever possible, the plan is followed of presenting the subject-matter of the various courses from the point of view of the executive, always bearing in mind that the executive's field of interest includes the broad outside relationship as well as the internal administration of his business. Adherence to this common point of view prevents confusion in the mind of the student, and enables him to place the problems and practices of business in their true perspective.

Within the short space of time at his disposal, it is impossible for the student to investigage in detail the entire field of business. It is therefore the policy of the School of Commerce to supplement the general survey which is required of every student with a more intensive study of that portion of the field which is of especial interest to him. To this end there have been prepared for the student certain groupings of closely related courses. The groupings have been made in such a way as to correspond to certain major functions which must be performed in the successful administration of a business enterprise.

These functions may be designated as follows: (1) The administration of production; (2) the management of finance; (3) marketing and selling; (4) management of personnel; (5) the avoidance or distribution of risk; (6) dealing with problems of transportation; (7) conforming with legal requirements; (8) handling the problem of accounting.

In addition to these groups, which have been constructed to conform with the major business functions, certain others have also been provided. The first of these offers special study in the field of foreign trade. It is so devised as to be of value not only to those intending to engage in some branch of export or import trade, but also to be of material aid to those looking forward to careers in connection with the consular service.

SCOPE OF SPECIALIZATION

Specialization in the manner here indicated, however, does not begin until the senior year, except in the accounting and marketing groups. The School of Commerce accepts the principle that a broad and thorough training in fundamentals, as well as some maturity of mind, should precede any high degree of specialization. Whether the educational process be viewed as a training of the mental faculties, or as the acquisition of a fund of knowledge, it is equally imperative that the materials of study be definite and compact. Arrangement and treatment must be so designed as to assure results which are cumulative and which have continuity of direction.

To this end the undergraduate curriculum of the School of Commerce is arranged in logical sequence, with the same requirements imposed upon virtually all candidates for degrees until the senior year is reached. During his freshman and sophomore years the student is required to follow a path of study which closely parallels the liberal arts course. The first year's work includes English composition, mathematics, history, economic geography, and a modern language. In the second year are courses in general economics, industrial history, English and American literature, a natural science, and a continuance of the chosen modern language.

In his junior year the student devotes most of his time to required courses in economics, commerce, psychology, and government which include money and banking, business organization, accounting, economic statistics, general psychology, and American federal government.

In the senior year specialization begins through the election by the student of his preferred group of courses from the list outlined above. It is to be noted that the freedom to elect does not apply to courses regarded singly, but only to courses as they are arranged in more or less standardized groups. Having chosen a given group, the student is expected to satisfy its requirements in full unless a substitute program has been submitted to and approved by the Administrative Board of the School.

In all of the groups two courses in business law are required, and one course on the relationship between government and business. A fourth requirement common to all groups is a choice either of the course in Theories of Economic Reform, or of the course in the Labor Problem. This leaves in each group from five to six courses which constitute the subject matter of specialization.

IMPORTANCE OF GRADUATE STUDY

From the preceding survey of the undergraduate curriculum, it is apparent that those students who are desirous of securing the

benefits of through specialized training and intensive research work, should continue in the University for at least one year of graduate study.

The Administrative Board of the School strongly urges the advisability of such an additional year for the superior student. Equipped with his undergraduate training, unburdened of the formal routine of courses which have been preparatory in nature, the graduate student is free to concentrate his full powers upon the subject of his choice. His attitude changes from one of receptivity and acquiescence to one of active inquiry and initiative. He is charged with the responsibility of finding new materials, new arrays of facts, and of subjecting them to his own independent analysis, to the end that new relationships may be discovered or new evaluations made. His initiative, his analytical and creative powers, his quality of presistence, are tested and developed to a degree impossible of attainment in the undergraduate years.

The School of Commerce is prepared to offer graduate instruction and facilities for graduate research activities in the fields indicated by the senior study groups. Courses have been developed exclusively for graduate students. They are designed primarily for the encouragement and guidance of research activity, and in consequence are conducted informally and on a basis of close personal contact between professor and student.

GRADUATE DEGREES

The School of Commerce offers the graduate degree of Master of Science in Commerce. Candidacy for this degree is conditioned upon the holding of an S.B. in Commerce degree from this institution or from another institution of approved standing where the work required in commerce is of substantially the same nature and volume. Graduates of other institutions who hold the A.B. degree are advised to register as candidates for the Master of Arts degree, majoring in Economics. In this way a limited number of commerce courses may be secured for graduate credit; or, if the student desires, by prolonging the period of residence, the undergraduate deficiencies may be removed, leaving the path clear for the degree of Master of Science in Commerce.

The Department of Economics offers the degree of Doctor of Philosophy. In conjunction with the Departments of History, Sociology, and Rural Social Economics, it also offers the degree of Doctor of Philosophy in Social Science. (For the general rules and regulations govering the candidates for these degrees see catalogue of the Graduate School.)

Graduates of other institutions desiring to enter the School of Commerce as candidates for higher degrees should submit their records together with application for entrance to the Dean of the Graduate School.

The conferring of the degree of Master of Science in Commerce assumes as a minimum the completion of nine full courses or their equivalent as approved by the Dean, a residence period of at least one year, and the completion of a thesis which embodies the results of original research work on the part of the student. (For further details see the catalogue of the Graduate School.)

SPECIAL STUDENTS

There are many young people already in business who feel the need of additional special training but who are unable to spend the full four years at the University, or who cannot provide proper entrance credits. Recognizing this the School of Commerce will admit students of twenty-one years of age or over, who cannot fulfill the entrance requirements, as special students, but not as candidates for degrees. Such students must supply satisfactory evidence of their ability to profit from the courses and *will be admitted only on probation.* A personal interview with the Dean is recommended in connection with the application for admission.

LIBRARY FACILITIES

In addition to the facilities afforded by the General Library of the University, the School of Commerce is equipped with its own special library. In the latter are contained a large number of economic and business publications of recent years which may be of value to the student. An appropriation of $2,000 annually assures that the collection will be well-maintained and kept up-to-date.

Especially noteworthy is the collection of periodical publications. Most of the important periodicals in the general field of business and finance are regularly received. In addition, the School of Commerce is a regular subscriber to over fifty trade journals, and to the statistical services of Brookmire, Gibson, the Babson Institute, and the Standard Statistics Company. The Harvard and Cambridge Economic Surveys are also provided.

A full time librarian is in charge and is prepared to aid students in the collection of such materials for research work as may not be currently available in the University. Special library privileges are accorded graduate students who have access to the stack rooms and private desk space.

LECTURES AND OBSERVATION TRIPS

Students are expected to take advantage of the frequent opportunities to hear lectures offered by prominent business men who are invited to the University for this purpose. These lectures will prove of great value to the student in furthering his acquaintance with the practical aspects of business.

From time to time the classes in business subjects make visits to neighboring factories and other types of business institutions for the purpose of making first-hand studies of organizations and and administrative methods.

STENOGRAPHY

No credit toward the degree is given for stenography but every student is urged to acquire facility in the use of it before graduation. Instruction in this subject is not offered by the University but can be secured in Chapel Hill in a private school.

SOCIETIES

The Taylor Society maintains a chapter in connection with the School of Commerce and the School of Engineering which is open to both faculty and students. Bi-weekly meetings are held at which nationally known authorities present papers.

Two national commerce fraternities have chapters in the University: Alpha Kappa Psi and Delta Sigma Pi. These fraternities are professional in character and perform valuable services in the preparation of students for a business career. Membership includes both students and faculty.

STANDARDS OF WORK

The School has been admitted to membership in the American Association of Collegiate Schools of Business. This is an organization formed for the promotion of thorough-going, scientific training for the business profession. It maintains high standards of membership based on the number and training of the faculty, the thoroughness of the work, the length and breadth of the curriculum, the number of students, the financial backing of the school, and the facilities for carrying on the work.

STUDENT HABITS

Training for business, if it is to be worthy of the name, should include at least two elements: first, an understanding of the principles and processes of business; and second, the practice of habits of work essential to business success. Observation appears to justify the conclusion that promptness, industry, systematic application, and honest performance are quite as vital to mastery in the business world as an understanding of the nature of industrial and commercial phenomena. It is wasteful, then, to allow students to proceed far in this field if they are unwilling to fashion their habits in conformity with these essential requirements. The policy of the School will be to drop from its rolls any student who fails to respond to the above standards.

REQUIREMENTS FOR ADMISSION

See page 42.

EXPENSES

See pages 44-48.

CURRICULA LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

The degree of Bachelor of Science in Commerce will be conferred upon students who satisfy the entrance requirements and complete the four-year curriculum as outlined below, consisting of not less than thirty-seven courses.

In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

The work in the freshman and sophomore years is the same in all the courses of study, unless otherwise indicated, and is as follows:

Freshman Year

English 1abc
Mathematics 1-2
History 1-2-3
Geology 5
Economics 11
French 3-4, or
Spanish 3-4, or
German 3-4

Sophomore Year

English 21-22
Economics 31-32
Economics 35
French 21, 25
Spanish 21, 25
German 21, 22
Zoölogy 41-42, or
Botany 41-43, or
Chemistry 1-2, or
Physics 21-22, or
Geology 11-12

In order that the junior and senior subjects may be chosen in such a way as to constitute a coherent and comprehensive whole, rather than an unrelated and scattered series, the following programs have been devised. Each student is expected to elect at the beginning of his junior year the group which best serves his needs and to adhere to it. However, students whose interests do not coincide with any of the following groups are invited to submit an alternative program for the approval of the Administrative Board of the School.

I. FACTORY ORGANIZATION AND ADMINISTRATION

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Commerce 91-92, 151, 155, 173, 191; Economics 131, 191 (or 195), 197; select one course from the following: Government 22, 131, 132, Economics 141, *English elective, Philosophy 56, 57, 61, Rural Economics 81.

II. BANKING AND FINANCE

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Commerce 91-92, 191, 195; Economics 131, 185, 191 (or 195), 197; Commerce 181 (or Economics 182); select one from the following: Economics 141, *English elective, Government 22, 131, 132, Philosophy 56, 57, 61, Rural Economics 81.

III. MARKETING, MERCHANDISING, ADVERTISING

Junior Year

Commerce 51, 71, 72; Economics 71, 81-82, 124; Psychology 21-22.

Senior Year

Select three from Commerce 61, 161, 163, 165; Commerce 91-92; Economics 131, 191 (or 195), 197; Government 21; select one course from Economics 141, *English elective, Government 22, 131, 132, Philosophy 56, 57, 61, Rural Economics 81.

IV. PERSONNEL MANAGEMENT

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Commerce 91-92, 151, 155; Economics 131, 191, 195, 197; Psychology 135 or Sociology 41; select one from Economics 141, *English elective, Government 22, 131, 132, Philosophy 56, 57, 61, Rural Economics 81.

V. RISK-BEARING AND INSURANCE

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Economics 121, 131, 191 (or 195), 197; Commerce 91-92, 61 (or 191), 121, 122; select one from Economics 141, *English elective, Government 22, 131, 132, Philosophy 56, 57, 61, Rural Economics 81.

VI. BUSINESS LAW

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

* The elective in English must be approved by the Dean.

Senior Year

Commerce 191, 195; Economics 131, 141, 195, 197; Government 131; select three courses offered by the Department of Economics and Commerce.

VII. ACCOUNTANCY

Junior Year

Commerce 51, 71-72, 171; E omics 71, 81-82; Psychology 21-22.

Senior Year

Commerce 91-92, 173, 175, 1; Economics 131, 191 (or 195), 197; Government 21, 131 (or 132).

VIII. FOREIGN TRADE AND THE CONSULAR SERVICE

NOTE. It should be understood that this program merely lays the foundation for more advanced and specialized study prerequisite to the proper preparation of candidates for the consular service. One general course in Foreign Trade Technique cannot be expected to eliminate an apprenticeship in that field, but it should materially shorten it.

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Economics 124, 131, 161, 191 (or 195), 197; Commerce 91-92, 145, 169, 181; Government 22.

IX. GENERAL COURSE

Junior Year

Commerce 51, 71-72; Economics 71, 81-82; Government 21; Psychology 21-22.

Senior Year

Commerce 91-92; Economics 131, 185 (or 121), 191 (or 195), 197; select one from the following: Economics 141, *English elective, Government 22, 131, 132, Philosophy 56, 57, 61, Rural Economics 81; select three courses offered by the Department of Economics and Commerce.

XIII. COMBINED COURSE IN COMMERCE AND LAW

For the details of this course please see under the School of Law, Part Five.

* The elective in English must be approved by the Dean.

THE SCHOOL OF PUBLIC WELFARE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
ROY MELTON BROWN, Ph.D., *Acting-Director.*

*THE ADMINISTRATIVE BOARD

CHARLES STAPLES MANGUM, A.B., M.D.
NATHAN WILSON WALKER, A.B., Ed.M.
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‡HOWARD WASHINGTON ODUM, Ph.D., LL.D.
ERNEST RUTHERFORD GROVES, A.B., B.D.
HAROLD DIEDRICH MEYER, A.M.

SPECIAL STAFF

‡HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Kenan Professor of Sociology.*
EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., *Kenan Professor of Rural Social Economics.*
HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology.*
ERNEST RUTHERFORD GROVES, A.B., B.D., *Research Professor of Sociology.*
EDWARD JAMES WOODHOUSE, A.B., LL.B., *Professor of Government.*
ENGLISH BAGBY, Ph.D., *Professor of Psychology.*
HAROLD DIEDRICH MEYER, A.M., *Professor of Sociology.*
THOMAS JACKSON WOOFTER, JR., Ph.D., *Research Professor of Sociology.*
WILEY BRITTON SANDERS, Ph.D., *Associate Professor of Sociology.*
LEE MARSHALL BROOKS, Ph.D., *Assistant Professor of Sociology.*
PAUL WOODFORD WAGER, Ph.D., *Assistant Professor of Rural Social Economics.*
GUY BENTON JOHNSON, Ph.D., *Research Associate in Sociology.*
ROY MELTON BROWN, Ph.D., *Research Associate in Sociology.*
RUPERT BAYLESS VANCE, Ph.D., *Research Associate in Sociology.*
KATHARINE JOCHER, Ph.D., *Lecturer on Family Case Work.*
GEORGE HAROLD LAWRENCE, A.M., *Supervisor of County Field Work.*
WILLIAM CURTIS EZELL, A.M., *Teaching Fellow.*

HISTORICAL STATEMENT

The School of Public Welfare of the University of North Carolina was authorized by the Board of Trustees at their mid-year meeting in January, 1920, on the recommendation of President Harry Woodburn Chase. The recommendation was made with the needs both

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board
† Resigned, January 1932. ‡ Absent on leave, 1931-1932.

of the college and the extension service of the University in mind and with the thought that such a School of Public Welfare would be built up around the Department of Sociology.

THE GENERAL PLAN OF WORK

In accordance, therefore, with the purposes of the School as set forth by the President and Trustees of the University plans for effective organization were begun and tasks entered upon during the Summer School of 1920. To meet the specific needs of the State and the University, and to some extent the South, a four-fold service was planned. The first emphasizes instruction in Sociology and Social Problems, including teaching in the College and University, extension teaching through the Extension Division for outside communities, and through general instruction and promotion of citizenship. The second emphasizes training for special work and community leadership, with special reference to town, village, and rural communities, and with special application to the State of North Carolina and the South. The division hopes to meet the very urgent demands of the State for trained men and women for its county superintendents of public welfare and other official positions and of many communities throughout the South for Red Cross secretaries and other community workers in the mill village and elsewhere. The third aspect of the work emphasizes direct and indirect community service, or social engineering through the avenues of community leaders, county superintendents of public welfare, local and district conferences, and community planning for leaders, industrial managers, and others. The fourth aspect emphasizes social research, scientific inquiry, and publication of results estimated to be of value to the State, the University, and to the general public welfare and social progress. A fifth general purpose, kept constantly in the foreground, provides, that the School maintain close and cordial coöperation with the State Department of Public Welfare, with other State departments of public service, with other departments and schools of the University, and with local and national voluntary agencies.

THE PLAN OF INSTRUCTION

In planning the courses of instruction, two important considerations have been kept constantly in mind: The first is to provide the necessary courses in social theory and applied sociology for the student who wishes to major in sociology or to elect subjects from this department adequate for his purposes. The second consideration has in mind the necessary background, philosophy, and technique prerequisite to the preparation for social work in the larger and more effective way. In the first group, courses consist largely of the study of the history and theory of society, together with special problems like immigration, social pathology, penology, the

Negro problem, statistics, and social research and seminars on special topics assigned to the student. Such courses may be elected by college students and counted toward other degrees, or they may be elected and coördinated with the special courses for the training for professional social work.

In the group of courses prepared especially for the training of social workers and community leaders, the institutions and institutional modes of life are the centers around which are built the instruction and field work required of all who select this plan of preparation. The six fundamental institutional modes of life emphasized are: the home and family; the school and education; the church and religion; the state and government; industry and work; the community and association. No courses are offered in the field of religion and the church, but courses in philosophy may be elected if desired, and the place of the church is treated thoroughly in all courses in community organization and community work, as well as in courses dealing with social theory and organization. The plan of instruction, then, follows the division set forth below:

I General Social Theory; II The Home and Family; III The Community and Association; IV The State, Government, and Public Institutions; V The School and Education; VI Play and Recreation; VII Industry and Work; VIII Methods of Organization and Administration; IX Field Work; X Summer Institutes of Public Welfare.

In each of these divisions courses listed are correlated with other courses, both in the Department of Sociology and the School of Public Welfare, and in the Departments of Economics, Government, Psychology, and the Schools of Education and Commerce. The courses tending more nearly to specialization in industrial management and industrial welfare will be strengthened as the demand increases to include a large number from which to choose. In making plans for enrolling or for electing courses the student should make special inquiry to ascertain whether all courses listed are given during any specific year. The exact statement of term courses is given where possible, but the special needs of students, together with other considerations, make it advisable to allow some flexibility in arranging final schedules.

CANDIDATES FOR GRADUATE DEGREES

It is expected that those graduate students who are pursuing courses leading to graduate degrees, if they major in sociology or social work, shall select a minor from the fields of rural social science, economics, psychology, government, education, or history. In each of these fields North Carolina is rich in available opportunities for research and leadership and the several departments are well equipped to do work of the highest order. Candidates for the Ph.D. degree

will make special inquiries concerning requirements in addition to those specified in the Graduate School. In the announcements that follow reference is made to several departments and selected courses listed to indicate the opportunities for appropriate electives in other departments.

THE SCOPE OF PROFESSIONAL CURRICULA

In addition to regular graduate degrees and the special courses selected and combined to meet the needs of special public officials, the following types of curricula are offered. Details of these may be gained from descriptions of courses in Part Three.

I. A one-year curriculum of professional training consisting of two quarters in residence and one quarter in field work under supervision. This curriculum is open to graduates of colleges of good standing. In addition to the specialized field work required during the third quarter, students following this curriculum will carry on field work in counties adjacent to the University during the two quarters in residence. A certificate will be issued upon completion of this curriculum.

II. A two-year curriculum of professional training. The first year is identical with the one-year curriculum. It will be followed by another year both in residence and in the field. Courses during the second year are designed for more intensive specialization and research and for more responsible administrative and executive work. A diploma will be issued upon completion of this curriculum.

III. A four-year collegiate curriculum, leading to the A.B. degree with a major in sociology or social work is available for undergraduates and especially adapted to those who wish to prepare for special leadership in educational and administrative work in this field. It also makes the student thus graduating eligible for the advanced pure graduate courses in social work and administration.

IV. Special curricula of one, two, or three quarters arranged for students desiring to do special research or short time work. Students not eligible to the regular curriculum by reason of not holding a degree may be admitted to these special curricula as *special students* provided they have had sufficient general education and practical experience to insure satisfactory work.

V. Summer institutes, arranged for special groups including superintendents of public welfare, county directors of community recreation, Red Cross secretaries, teachers and principals interested especially in community work, and others.

For further particulars concerning scholarships, fellowships, publications, curricula, and other details write to the Director.

THE GRADUATE SCHOOL

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
WILLIAM WHATLEY PIERSON, JR., Ph.D., *Dean.*
ALMONTE CHARLES HOWELL, Ph.D., *Assistant to the Dean.*

*THE ADMINISTRATIVE BOARD

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THORNDIKE SAVILLE, C.E., M.S.
HOWARD WASHINGTON ODUM, Ph.D.
GEORGE COFFIN TAYLOR, Ph.D.

GENERAL STATEMENT

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, in the application of research methods to the problems of society and industry, and in supplying opportunity for further study of those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made noteworthy contributions in science, history, and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

Instruction leading to the Master's degree was offered at this institution prior to the American Civil War, and such higher degrees were granted in course. Formal action with high standards in requirements was taken in 1876 to establish a graduate school. A Graduate Bulletin, issued in 1885, showed that nearly all departments offered advanced courses. The number of students in those years was small, but the work accomplished in both the humanities and the sciences was of distinguished quality. Given distinct status in 1904 and the leadership of a Dean, the Graduate School has experienced steady and, since 1920, rapid growth.

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board
† Absent on leave, winter and spring quarters, 1932.

Work for advanced degrees is under the supervision of the Graduate Faculty, which consists of those officers of professional rank who are chiefly interested in the Graduate School, either because they offer courses for graduate students or because of their interest in research. The immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman. Special requirements and regulations made by this board are outlined in the Catalogue of the Graduate School, published in alternate years and recognized as the official publication of the Graduate School.

GRADUATE DEGREES

The degrees under the supervision of the Graduate Faculty are Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.). For a complete statement of the requirements for these degrees reference must be made to the special Catalogue of the Graduate School.

SUMMARY OF THE REQUIREMENTS FOR HIGHER DEGREES

Master's Degree

1. A bachelor's degree from a recognized institution.
2. A minimum residence period of three quarters.
3. A reading knowledge of one modern foreign language.
4. Nine graduate courses, six of which must be in the department of the major.
5. A written examination in the field of the major.
6. An oral examination covering the entire field of study.
7. A thesis.

Doctor of Philosophy

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least six courses in a minor, which may or may not be in a different department.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

CATALOGUE OF THE GRADUATE SCHOOL

For information concerning the Graduate Faculty, fields of research, fellowships and other aids, expenses and tuition, and for

regulations governing courses of study, credits, admission, examinations, and higher degrees, reference must be made to the special Catalogue of the Graduate School.

SUMMARY LIST OF COURSES OFFERED

The following list comprises the courses which may be pursued for graduate credit. Courses are listed by number only; and only the courses given in the regular session appear. For courses offered in the Summer School the reader is referred to the annual catalogue of that school. For further details as to title and content of courses, number of meetings a week, credit value, and years offered, he is referred to Part Three of this catalogue.

BOTANY. 103, 111, 112, 113, s114, 122, 133, 141, 151, 153, s154, 162, 211, 212, 213, s214, 251, 252, 253, s254, 301, 302, 303.

CHEMISTRY. 101, 163, 164, 165, 167, 168, 169, 183, 184, 185, 191, 192, 241, 242, 243, 251, 252, 253, 261, 262, 263, 281, 282, 283, 284, 285, 286, 287, 288, 289, 341, 342, 343, 351, 352, 353, 361, 362, 363, 381, 382, 383, 391, 392, 393.

CLASSICS. *Greek.* 112, 113, 153-154, 155, 158, 171, 201, 202, 203, 301, 302, 303.
Latin. 101, 102, 103, 104, 110, 112, 201, 202, 203, 301, 302, 303, 310.

COMMERCE. 121, 122, 141, 145, 151, 154, 155, 157, 163, 169, 172, 173, 175, 177, 178, 179, 181, 191, 195, 301abc, 399.

ECONOMICS. 111, 121, 124, 141, 142, 144, 151, 161, 165, 171, 182, 185, 191, 192, 195, 251-252-253, 271, 301abc, 341, 361, 385, 391, 399.

EDUCATION. 101, 102, 103, 105, 141, 142, 143, 144, 149, 160, 162, 163, 164, 173, 194, 197, 271-272, 299, 303abc, 304abc, 341abc, 375, 376, 398-399.

ENGINEERING. *General.* 116a, 236abc, 256abc.
Chemical. 191, 194-195-196, 197, 291-292-293, 391-392-393.
Civil. 160abc, 165abc, 170abc, 175abc, 260ab, 265abc, 270abc, 275abc, 280a, 285ab, 290abc, 360abc, 365abc, 370abc.
Electrical. 102a, 112a, 122a, 162abc, 172abc, 262a, 272a, 282a, 382abc.
Mechanical. 166a, 176ab, 186ab, 283abc, 288abc.

ENGLISH. 101, 103, 105, 111, 112, 113, 114, 121, 125, 131, 133, 141, 143, 144, 149, 151, 161, 162, 163, 167, 170, 201, 202, 225, 226, 227, 231-232, 283, 284, 309, 310, 312, 313, 317, 318, 320, 331, 340, 341.

GENERAL AND COMPARATIVE LITERATURE. 103, 105, 111, 112, 113, 121, 123, 125, 151, 152, 155, 156, 157, 159, 161, 162, 163, 185, 190.

GEOLOGY. 111, 112, 121-122, 123, 131, 133, 141-142-143, 148-149, 171-172-173, 181-182-183, 191, 192, 193, 304-305-306, 307-308-309.

GERMAN. 101-102, 103-104, 111, 201, 203, 207, 221, 223, 225, 241, 251.

HISTORY AND GOVERNMENT. *History.* 101, 102, 121, 122, 131, 132, 133, 134, 135, 136, 137, 151, 152, 153, 154, 155, 156, 157, 161, 162, 163, 164, 165, 166, 167, 168, 201ab, 211, 220, 221, 271, 272, 273, 301abc, 311abc, 321abc, 331abc, 333abc, 341, 370abc.

Government. 121, 122, 131, 132, 133, 134, 141, 142, 143, 151, 152, 153, 154, 155, 156, 301abc, 311abc, 321abc, 341.

MATHEMATICS. 103, 105, 106, 121, 131, 141, s150, 151, 152, 161, 171, 206, 211, 216, 221, 226, 231, 236, 241, 246, 251, 256, 261, 266, 271, 272, 281, 286, 291, 351, 356, 361, 366, 371, 376.

PHILOSOPHY. 131-132-133, 171, 224-225-226, 227-228-229, 301-302-303, 311.

PHYSICS. 101, 102, 103, 104, 105, 106, 107, 202, 203, 204, 205, 301.

PSYCHOLOGY. 125, 126, 135, 136, 138, 140, 145, 146, 147, 151, 152, 153, 190, 201, 202-203, 205, 208, 325, 341-342.

ROMANCE. *French.* 109, 115, 126, 131, 132, 145, 161, 171, 172, 181, 191, 192, 221-222-223, 225, 231, 248, 265-266, 331, 391, 395.
Celtic. 205.
Italian. 131, 132, 156, 161, 221.
Spanish. 109, 110, 111, 115, 116, 131, 132, 134, 135, 145, 221-222, 241, 391, 393, 395.

RURAL SOCIAL ECONOMICS. 101, 271abc, 301abc, 305abc, 311abc.

SOCIOLOGY. 151, 152, 160, 161, 164, 165, 168, 171, 173, 175, 185, 186, 192, 193, 198, 199, 208, 209, 210, 215, 253, 266, 267, 327-328-329, 331-332-333, 341.

ZOÖLOGY. 103, 104, 105, 106-107-108, 109, 110, 209-210-211, 212-213-214, 215, 316.

ADDITIONAL COURSES. Certain courses in the professional schools, with the permission of the committee under which the student is working and of the administrative board, may be elected as minors for graduate credit as follows:
Law. Negotiable Instruments, Municipal Corporations, Carriers, Insurance, Sales, Corporations, Constitutional Law, Criminal Law, Evidence, Persons.
Medicine. Neuro-Anatomy, Histology, Embryology, Pharmacology, Bacteriology 2, Bacteriology 3, Pathology 1, Physiology I, Physiology II, Physiology III, Physiology IV, Biological Chemistry 1, Biological Chemistry 2, Biological Chemistry 3.

THE SUMMER SCHOOL, 1931

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
NATHAN WILSON WALKER, A.B., Ed.M., *Director.*
ISAAC CEBERN GRIFFIN, *Executive Secretary.*

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CHARLES THOMAS WOOLLEN, *Business Manager of the University.*
ROBERT BURTON HOUSE, A.M., *Executive Secretary of the University.*
HAROLD SHELDON DYER, M.Mus., *Professor of Music.*

GENERAL STATEMENT

The old "Summer Normal" at the University was a pioneer in the Summer School field. It was established in 1877 by Dr. Kemp P. Battle, and it seems to have been the first of its kind in America. It ran for a period of eight years and was suspended in 1884. The Summer School for teachers was revived in 1894 and ran for a period of eleven years, that is until 1904, when it was again suspended. It was revived again in 1907 and has been operated regularly every summer since that date. Prior to 1914, with the exception of one year, no credit for University degrees was granted for work accomplished in the Summer School. In that year the faculty voted to grant degree credit with specified limitations for work accomplished in the summer. For a number of years regular college courses and the old type of normal school courses were continued side by side. As the number of advanced undergraduates and graduate students increased in the summer term the older normal school courses were gradually eliminated, until now, as has been the case for several years, all work offered in the summer carries degree credit.

Ever since 1923 the Summer School has been operated for two terms of approximately six weeks each, or the equivalent of a regular quarter. The Summer School has continued to grow in numbers and to extend its influence. Today it takes its place among the regular divisions of the University and maintains the same standards in all its departments as in the regular session.

THE UNIVERSITY EXTENSION DIVISION

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
RUSSELL MARVIN GRUMMAN, B.H., *Director.*
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DUDLEY DEWITT CARROLL, M.A., *Chief, Bureau of Commercial and Industrial Relations.*
MARY LOUISA COBB, A.B., *Chief, Bureau of Correspondence Instruction.*
HAROLD SHELTON DYER, A.B., Mus.M., *Chief, Bureau of Community Music.*
FREDERICK HENRY KOCH, A.M., *Chief, Bureau of Community Drama.*
HAROLD DIEDRICH MEYER, A.M., *Chief, Bureau of Recreation.*
NELLIE ROBERSON, A.B., *Chief, Extension Library Service.*
NATHAN WILSON WALKER, Ed.M., *Chief, Bureau of Educational Information and Assistance.*
EDWARD JAMES WOODHOUSE, B.A., LL.B., *Chief, Bureau of Municipal and County Government Research and Information.*
KATHLEEN WRIGHT, *Chief, Bureau of Class Instruction.*

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
† Absent on leave, 1931-1931. ‡ Resigned, January 1932.

GENERAL STATEMENT

By means of correspondence instruction, extension classes located in all parts of the state, radio lectures, extension library service, reading courses, community dramatics, inter-scholastic activities, and a variety of publications, the University of North Carolina, through the Extension Division, is relating itself effectively with the life of the state. The University campus is now virtually coterminous with the boundaries of the commonwealth.

Starting as a Bureau of Extension in 1912, under the leadership of Dr. L. R. Wilson, University Librarian, the idea of university extension was clarified and expanded under the administration of the late President Edward Kidder Graham. In 1921, in conformity with standards established by the National University Extension Association, the work was organized as a major division of the University by President Harry W. Chase.

In his inaugural address, November, 1931, President Frank Porter Graham defined the purposes of university extension thus: "It is the function of the state university not only to find its bits of truth and teach the truth gathered from scholars everywhere, but to carry the truth to the people that they may take it into their lives and help to make it prevail in the world of affairs. It is the ideal of the University Extension Division to make the resources of the universities, the discoveries of science, and the findings of the social scientists available for the people of the commonwealth."

The Extension Division is the administrative agency through which are conducted the extension activities of all the University's departments. Within recent years, moreover, the Division has developed a specialized program of adult general and professional education unrelated to the work of the resident departments. The postgraduate dental courses are illustrative of one means of meeting such a demand. Other educational services are being offered men and women whose formal schooling has ended, but who still desire to continue their education regardless of higher academic awards. In meeting the demands of this growing group, the future the Uni- of versity Extension Division as an agency for adult education holds the greatest promise of development.

BUREAU OF CLASS INSTRUCTION

Extension courses in regular University subjects are offered in communities throughout the State. These courses are taught by members of the University Faculty and, when all requirements are met, give the same credit as residence courses. Those not wishing degree credit are also eligible to enroll in extension classes. The classes usually meet one evening a week for sixteen weeks, for which a half-course or two semester hours of degree credit may be earned. The fee for each half course is ten dollars. An individual or group

wishing to organize an extension class should make written application to the University Extension Division, giving the following information: probable number of enrollments, general type of persons who wish to join the class, course desired, when and where the class wishes to meet, and who will have charge of the local arrangements.

Courses Offered

The Extension Division attempts to offer most of the courses listed in the University Catalogue in any community where a sufficient number of people desire to enroll.

In order to conserve space, all other information and regulations concerning extension courses are omitted here but may be secured by sending a written request to the University Extension Division.

In-Service Teacher Training

Working in close coöperation with the School of Education, the Division conducts a specialized and carefully arranged program for the training of teachers now working in the schools of the State. The aim of this program is to improve instruction in the schools and to offer opportunities for the professional growth of teachers.

BUREAU OF CORRESPONDENCE INSTRUCTION

All information and regulations concerning correspondence courses offered by the University are contained in the Catalogue of Correspondence Instruction issued separately.

EXTENSION LIBRARY SERVICE

The aim of the Extension Library Service is to encourage discussion of current political, social, and economic problems, as well as to assist in the study of good literature. Reference material is supplied for such study.

One section renders assistance with programs and reference material, usually of a literary nature, to women's clubs and study groups, for which service a small charge is made. Another section renders assistance to schools, both to students and teachers, as well as to other individuals not organized in group study. This material is usually on current problems of a political, social, or economic nature.

BUREAU OF LECTURES, SHORT COURSES, AND RADIO

The university conducts a lecture bureau for the purpose of aiding schools, civic clubs, and other organizations in obtaining speakers. Addresses for special occasions, such as school and college commencements, are also arranged upon application.

No fee for lecture service is charged, but the traveling and incidental expenses of the lecturer are defrayed by the organization for which the lecture is made.

From time to time the University has held at Chapel Hill short courses or institutes for various organizations and groups. These consist in an intensive training program or course ranging in duration from one day to two weeks. The program is composed of a specialized series of lectures, discussions, and demonstrations directed by leading speakers and teachers secured from the faculty of the University and from the State and nation. Short courses have been offered to high school athletic directors, welfare workers, parents, secretaries of chambers of commerce, police officers, realtors, and members of the state press association.

In addition to those mentioned above, the Division will be glad to aid other organizations or groups in arranging for a short course, institute, special meeting, or convention.

Individual lectures and lecture courses by members of the faculty and entertainment programs by University musical and dramatic organizations are broadcast each year through the courtesy of station WPTF, Raleigh.

BUREAU OF COMMUNITY DRAMA

The services of the Bureau of Community Drama are available to all schools, colleges, and communities throughout the State. Suggestions and advice on play production, and aid in solving any particular problem of the director of dramatics may be obtained from this bureau.

Assistance is given in organizing, in play selection, in the designing and making of scenery, in costuming, and in make-up and lighting. Arrangements may be made for assistance in the direction of a chosen play.

The bureau has at its disposal more than two thousand volumes of play books, books on acting, play production, little theatre organization, play writing, stagecraft, lighting, costuming, make-up, etc. These are loaned upon payment of the postage and packing charges.

By giving practical assistance to those interested in writing and producing plays, the bureau is seeking to promote and encourage dramatic art in the schools and communities of North Carolina, and to stimulate interest in the writing of native drama.

BUREAU OF COMMERCIAL AND INDUSTRIAL RELATIONS

This bureau is under the supervision of the School of Commerce of the University. The members of the staff coöperate with the manufacturing, banking, and commercial interests of the State in the solution of any problems brought to their attention. Lab-

oratories, statistical information, research methods, interpretative devices, and expert opinion are available for use by any worthy individual or organization. Problems may be submitted for study and opinion, or arrangements may be made for a member of the staff to visit the establishment or community for first-hand observation and study.

BUREAU OF COMMUNITY MUSIC

The Department of Music offers the following services: (1) Leadership for community sings; (2) formation of community choruses; (3) lectures on public school and community music; (4) piano and organ recitals; (5) advisory service to schools.

BUREAU OF MUNICIPAL GOVERNMENT RESEARCH AND INFORMATION

This bureau answers specific inquiries with reference to legislation, charters, and other matters covering city and town government. Through the Library Extension Service bibliographies, reading lists, and books on municipal subjects are loaned. The bureau also undertakes to advise town and city officials concerning their problems, and to direct them to sources of assistance.

BUREAU OF ECONOMIC AND SOCIAL SURVEYS

Before a definite movement is inaugurated to upbuild a county or community from an economic and social standpoint it is necessary to have at hand an accurate summary of existing facts. What is known as the "social survey" is the best method of securing such facts.

For years the Department of Rural Social-Economics of the University has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in the *University News Letter*, and bulletins which record the results of a number of county economic and social surveys. The *University News Letter*, which is edited by this department, appears twenty-five times each year.

BUREAU OF RECREATION

This bureau offers service in public recreation and leisure time problems through the School of Public Welfare. Bibliographies and reading lists on the subjects of sociology, community organization, etc., are provided upon request.

BUREAU OF HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division, through this bureau, offers service to the high schools of the State by means of contests in debating, athletics, and in academic subjects.

The High School Debating Union of North Carolina is the medium through which assistance in debate is offered. This organization was established in 1912-1913. Approximately two hundred high schools, grouped in triangles, discuss some important question each year. The schools winning both debates send their teams to the University to compete during High School Week in the final contest for the Aycock Memorial Cup.

The High School Athletic Association of North Carolina is the agency through which assistance in athletics is offered. This association conducts State high school contests in football, basketball, baseball, track, soccer, and tennis. The high schools compete in groups for the honor of representing the eastern and western sections of the State, and the teams winning the sectional contests meet at Chapel Hill in the finals. There are 324 members of this association.

The high school contests in academic subjects are conducted jointly by this bureau and by the University departments concerned. High school contests are conducted in Latin, Spanish, French, and mathematics. High school newspaper, magazine, and essay contests are conducted also.

BUREAU OF EDUCATIONAL INFORMATION AND ASSISTANCE

The bureau is maintained through the coöperation of the School of Education. The several members of the faculty of the School offer to the State the following lines of service: educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

OTHER SERVICES

General adult education programs.
Postgraduate medical courses.
Extension courses for dentists.
Educational tours (summer).
Parent-teacher association activities.
Alumni Book Club.
Publications of interest to North Carolinians.

PART FIVE

THE SCHOOL OF LAW
THE SCHOOL OF MEDICINE
THE SCHOOL OF PHARMACY
THE SCHOOL OF LIBRARY SCIENCE

THE SCHOOL OF LAW

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
MAURICE TAYLOR VANHECKE, Ph.B., J.D., *Dean.*

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†ROBERT DIGGES WIMBERLY CONNOR, Ph.B.
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ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D.
MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B.

SPECIAL STAFF

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ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law.*
ALBERT COATES, A.B., LL.B., *Professor of Law.*
MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*
MAURICE TAYLOR VANHECKE, Ph.B., J.D., *Professor of Law.*
FREDERICK BAYS MCCALL, A.B., LL.B., *Associate Professor of Law.*
FRANK WILLIAM HANFT, A.B., LL.B., S.J.D., *Associate Professor of Law.*
JAMES HARMON CHADBOURN, A.B., J.D., *Instructor in Law.*

GENERAL STATEMENT

History.—The law school, which developed into the School of Law of the University, was founded in 1843 at Chapel Hill as a private school by William H. Battle, then a judge of the Superior Court, later a justice of the Supreme Court of the State. In 1845

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
† Absent on leave, 1931-1932.
‡ Absent on leave, on the Kenan Foundation, 1931-1932.

Judge Battle was made Professor of Law in the University, and it was provided that the degree of Bachelor of Laws should be conferred on those completi ıg the prescribed two-year course. From the records of the University, however, it seems that few degrees were actually conferred. For a long time the school maintained a certain independence of the University. The Professor of Law received no salary, though he enjoyed the fees from his classes; and the students were not entirely subject to the discipline of the University.

This was the position of the school from its formation until 1899, a period which covered the professorship of Judge Battle who retired in 1879, two years when the law classes were conducted by Hon. Kemp P. Battle, then President of the University, and the professorship of Dr. John Manning, elected 1881, died 1899. In 1899 the school was completely incorporated into the University, with the late Judge James C. McRae, previously a justice of the Supreme Court of North Carolina, as the first Dean of the Law School.

The School of Law having complied in full with the requirements set up by the Americam Bar Association has been listed as one of sixty-five schools classed as "approved law schools."

The School of Law is a member of the Association of American Law Schools, an association composed of the leading law schools in the United States.

A carefully compiled list of approved law schools, whose credits are acceptable as evidence of due preparation for the New York Bar Examinations, is published by the University of the State of New York. The School of Law is accredited in this list for the full three years' work.

REQUIREMENTS FOR ADMISSION

Regular Students

The matter of admission to the School of Law, as to all the other schools and colleges of the University, is arranged through the Dean of Admissions of the University.

The Dean of Admissions passes upon all applications for admission, and all inquiries as to eligibility to enter should be addressed to him. Those who intend to enter must furnish to him (a) a certificate of successful vaccination against smallpox, and (b) a certificate showing the completion of a four years' high school course of fifteen units and after September 1, 1932, the completion of not less than three years of college work, which must be approved as satisfactory. These certificates should be sent by mail to the Dean of Admissions at least two weeks before registration day, if possible.

Beginning in September, 1932, three years of college work will be required for admission to the School of Law. That change, however, will not affect those who shall have entered any department of the

University of North Carolina prior to January 1, 1932, and who shall, in addition, have completed within a reasonable time the requirements for admission to the School of Law in force June 1, 1931.

The academic requirements for admission to the School of Law may be satisfied by:

(1) An *academic degree* from the University of North Carolina or any other standard college or university approved by the Dean of Admissions.

(2) *Three years* of academic work prescribed in the "Combined Course in Arts and Law" or in "Commerce and Law" as described below.

(3) *The first three years complete* of the regular work prescribed for a degree (a) in the College of Liberal Arts, the School of Commerce, or the School of Education in this University or (b) in a similar curriculum in some other standard college or university.

Special Students

A limited number of special students, not candidates for a degree, with less than the required three years of academic training may be admitted. They must be at least twenty-three years of age and must furnish evidence to satisfy the law faculty that their experience and training have specially equipped them to engage successfully in the study of law despite the lack of the required college credits. The number of such special students admitted each year may not exceed ten *per cent.* of the average number of students admitted by the school as beginning regular law students during the two preceding years.

Admission to Advanced Standing

A student from another school of law, in which the requirements for admission are at least as high as in this school, may be admitted to advanced standing for the degree of LL.B. As a rule no more than one year's work will be so credited without residence, but with the consent of the law faculty two years' work may be credited in exceptional cases, provided the last year of work for the law degree is done in residence. A student seeking admission to advanced standing must present satisfactory evidence that the work taken in another school is substantially equivalent to that given in the corresponding year here, both in the character of the work covered and in the amount of time devoted to each subject.

EXPENSES

See pages 44-48.

DEGREES

The Degree of LL.B.

The degree of Bachelor of Laws (LL.B.) is conferred upon a regular student who has studied law for a period of at least three academic years and passed satisfactory examinations on all required subjects and enough elective subjects to make up an aggregate of seventy-eight semester hours. Two long sessions and three summer sessions of at least ten weeks each are regarded as a compliance with the residence requirement.

The Degrees of A.B. and LL.B.

The University offers a combined curriculum in the College of Liberal Arts and in the School of Law by completing which students may receive the two degrees of A.B. and LL.B. in six years instead of the seven years required for the two degrees in the regular curricula.

Upon the completion of the courses in the College of Liberal Arts outlined below, *before matriculation in the School of Law,* and the satisfactory completion of the first year of Law, students may receive the degree of A.B., and upon the satisfactory completion of the first year of Law, the degree of LL.B.

Prescribed courses in the College of Liberal Arts for the two degrees of A.B. and LL.B.:

First Year	Second Year	Third Year
Eng. 1abc	Eng. 21-22	Econ. 31-32
Math. 1-2	Hist. 45-46 or 47-48	Psychology 21-22 (if not already taken)
Hist. 1-2-3		†English 47 and one other course.
Select two: Greek 13-14; French 3-4; German 3-4; *Latin 1-2; Spanish 3-4	Select two: *Latin 11, 22; Greek 21; French 21; German 21; Spanish 21	‡Hist. and Govt.—2 courses
	Select one: Botany 41, 43; Chem. 1-2; Physics 21-22; Zoölogy 41, 42; Botany 41 and Zoölogy 41; Geology 11-12; Psychology 21-22	*One Elective (or as many as needed to complete twenty-seven courses)

The foregoing academic curriculum requires at least *three* courses above the elementary courses in each of *two* foreign languages. In-

* Latin 1, 2, 11, 22 are to be taken by students who have presented only two units for entrance. In case the student is required to pursue only Latin 11, 22 or 2, 11, 22, the number of electives is increased to make up the difference. In every case 27 courses of college grade must be completed.

† The School of Law recommends that the optional course chosen be Advanced Composition, Eng. 52.

‡ The School of Law recommends that the courses in History and Government be courses in English and American History or Government.

stead of this requirement the student is allowed the option of completing *five* courses above the elementary courses in one such foreign language. In case this option is taken, it is advisable that the courses in science shown in the second year be taken in the first year, and that Economics 31-32 be shifted similarly from the third year to the second year. This arrangement necessitates also some obvious changes in the electives.

The School of Law suggests the courses named below as suitable electives in this course, but choice is not restricted to these. English 52, 53, 54; Psychology 138 (Legal Psychology), 140; History 161, 162; Economics 81, 82, 195; Sociology 42, 192.

The A.B. degree, on this basis, is conferred at the end of the fourth year (first year in Law) provided the student has satisfactorily passed all the work of the first year of Law.

The Degrees of S.B. in Commerce and LL.B.

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The first three years of this combined curriculum are in the School of Commerce and are devoted to the subjects outlined below. The last three years are in the School of Law and are devoted to the courses prescribed for the LL.B. degree.

The degree of S.B. in Commerce, on this basis, is conferred at the end of the fourth year (first year in Law) provided the student has satisfactorily passed all the work of the first year of Law.

Prescribed courses in the School of Commerce are as follows:

FIRST YEAR

English 1abc
Mathematics 1-2
History 1-2-3
*Modern Language: two courses
Geology 5
Economics 11

SECOND YEAR

Economics 31-32
English 21-22
*Modern Language: one course
Government 21
Natural Science: two courses
†Economics 35 or History 167
English 47 or 51 or 52

THIRD YEAR

Psychology 21-22
Economics 81-82
Commerce 71-72
Commerce 51
Economics 191 or
Economics 195
Two courses chosen from the courses offered by the Department of Economics and Commerce

* The total requirement in modern language is three courses of collegiate grade based upon 2 units completed in high school or the equivalent in the elementary courses taken here.

† If History 167 is selected, it may not be taken until the junior year. In this case Psychology 21-22 should be taken in the sophomore year.

The Degree of J.D.

The degree of Doctor of Law (J.D.) will be conferred upon students who comply with all the following conditions:

1. Complete the work requisite for the A.B. degree or its equivalent before entrance upon the work of the School of Law.
2. Study law for a period of at least three academic years.
3. Obtain an average grade of B on all required subjects and enough elective subjects to make up an aggregate of seventy-eight semester hours.
4. Prepare and have accepted for publication in *The Law Review* an article of at least ten pages, or case notes which in the aggregate shall be at least eight pages in length.

The Degree With Honors

The degree with honors will be conferred, upon recommendation of the faculty, upon students selected from the highest one-tenth of the graduating class.

EXAMINATIONS, GRADES, ELIMINATION, ABSENCES

EXAMINATIONS. Preliminary hour examinations are held in each course in November, and also at the end of the first semester hour examinations are given in all courses running through the year. Individual research assignments may be substituted for preliminary examinations. Final examinations are held at the end of the first semester in the subjects which are then completed, and at the close of the year in all other subjects.

GRADES. The grading of students will be indicated by the letters A (80 and above), B (75-79), C (67-74), D (60-66), F (below 60), representing respectively excellent, good, satisfactory, poor, and failed. A student receiving the grade of F (failed) in any subject will be required to repeat the course.

Full credit may not be secured for more than ten semester hours of D grade work in one long session nor for D grade work in more than one-half the hours taken in a summer session. D grade work in excess of these amounts will carry only one-half the usual credit towards a degree.

ELIMINATION OF STUDENTS. A student must obtain a grade of D or better in at least two-thirds of the total number of semester hours for which he registers, and any student who fails to do so shall thereby automatically be excluded from further work in the school. Likewise, the faculty may drop from the school at any time a student who, in their judgment, is not making sufficient progress to warrant his continuing in the school.

Any instructor, with the concurrence of the Dean, may drop a student from a course at any time, for unsatisfactory work, poor attendance, or other good cause.

NUMBER OF HOURS OF WORK REQUIRED AND PERMITTED

The normal amount of work is twelve to fourteen class hours a week. Not more than fifteen hours of law work may be taken, nor, if academic work is being taken at the same time, may more than ten hours of law be taken with one academic course.

No student taking fewer than ten hours weekly will be considered as studying law within the rules of the Supreme Court which requires of applicants for license to practice in North Carolina two years of study of law as a necessary preliminary.

DIVISION OF ACADEMIC YEAR: DATES

Work in the School is divided into two semesters instead of into three quarters. The first semester begins at the same time as the fall quarter of the College of Liberal Arts, and ends on the last Saturday in January. The second semester begins on Monday after the last Saturday in January and ends at the same time as the third quarter of the College of Liberal Arts. The first day of each semester is Registration Day. The fee for late registration in either semester is $5.00.

First year students may enter the School in the summer session, or at the opening of the first semester in the fall. After September 1, 1932, no first year student will be permitted to enter at the beginning of the second semester.

STUDENTS FROM OTHER STATES

While greater emphasis is placed upon North Carolina decisions and statutes than upon those of the other states, the legal doctrines are studied as part of the Anglo-American common law system and the case-books used are selections of cases taken from all the common law jurisdictions. Students from other states are encouraged to investigate the decisions and statutes of their own states in regard to the questions discussed, and the law library provides the materials necessary for such investigation. The law course as a whole is designed to prepare the student in the fundamentals of the common law in such a manner as to fit him for practice in any state.

SUBJECTS OF INSTRUCTION

All subjects in the first year are prescribed. Those in the second and third year are elective, but second-year students may not elect third-year subjects except by permission of the Dean.

First Year

AGENCY

Distinction between agency and other legal relationships. Express, implied, and apparent authority of agent; liability of disclosed and undisclosed principal to third party in contract and in tort; liability of agent to third

party and of third party to principal and agent; ratification of unauthorized acts; termination of agency. Assigned problems will also be given in the law of workmen's compensation. Keedy's *Cases on Agency. Three hours, second semester.* Mr. Breckenridge.

CIVIL PROCEDURE I

The development of the English and American court systems, and of the various forms of action, at common law and under the codes; a cross-section of modern code pleading and procedural problems. Morgan's *Introduction to the Study of Law.* Clark's *Cases on Procedure. Three hours, first semester.* Mr. McCall.

CONTRACTS

The formation, construction, operation, and performance of contractural obligations, including offer and acceptance, consideration, seals, the statute of frauds, conditions, discharge, third party beneficiaries, assignments, joint contracts, and effect of illegality. Corbin's *Cases on Contracts. Four hours, first semester; two hours, second semester.* Mr. VanHecke.

CRIMINAL LAW

Introduction: the problem of criminal justice. The history of criminal procedure, nature and elements of a crime, act and intention. Attempts, jurisdiction, consent, recrimination and condonation, culpability as affected by necessity, duress, coverture, infancy, insanity, etc. Justification and excuse: self-defense. Parties. Criminal conspiracy. Former jeopardy. Specific crimes: homicide, rape, assault, larceny, embezzlement, false pretenses, receiving stolen property, robbery, burglary, arson, forgery, perjury. Sayre's *Cases on Criminal Law. Three hours, first semester.* Mr. Coates.

LEGAL BIBLIOGRAPHY

A practical course in the use of law books. The problems assigned require the student to familiarize himself with the method of finding authorities upon concrete fact situations through the use of digests, encyclopedias, textbooks, annotated cases, and constitutional and statutory sources. *Law Books and their Use* (5th ed.), and assigned problems. *One hour, first semester.* Mr. Van Hecke.

PERSONAL PROPERTY

The nature of possession; rights based upon possession, tenants, bailees, finders. Acquisition of title to chattels without the consent of the owner, *bona fide* purchase, limitations, accession, tortious confusion. Gifts *inter vivos*. Distinction between sale and bailment. Liens and pledges. Edward Warren's *Cases on Property. Three hours, second semester.* Mr. McCall.

REAL PROPERTY I

Tenure, estates, joint and common ownership, reversions and remainders. Seisin and disseisin. Common law methods of creating and transferring estates. Rents. The statute of uses. Rights in the land itself, and in air and water, incident to ownership. Fixtures. Emblements. Waste. Profits, easements, and covenants. Edward Warren's *Cases on Property. Three hours, second semester.* Mr. McCall.

TORTS

Principles of tort liability as developed in the action of trespass; justification and excuse; negligence as a basis of liability; common law and statutory duties of care; legal cause; contributory negligence; absolute liability; deceit; defamation; malicious prosecution and abuse of process; interference with social and business relations. Bohlen's *Cases on Torts* (3rd ed.). *Three hours, both semesters.* Mr. Wettach.

Second and Third Year

ADMINISTRATION OF JUSTICE

A seminar course, meeting once each month, for the discussion of present-day problems in judicial administration. (Not given in 1931-1932.)

CIVIL PROCEDURE II

A consolidation of the problems formerly treated in the courses in code pleading, trial procedure, and a part of trial and office practice. It emphasizes the proceedings in actions brought under the code system of procedure, from their commencement, through the pleading and trial stages, to appellate review and the enforcement of final judgment. Hinton's *Cases on Code Pleading* (2nd ed.) and *Cases on Trial Practice*, with assigned problems. *Four hours, both semesters.* Mr. McIntosh.

CREDIT TRANSACTIONS

A consolidation of the problems heretofore dealt with in the courses in mortgages, suretyship, and bankruptcy, and a part of sales. Treated from the standpoint of the management of the more common types of credit transactions, from their inception to completion, including the effects of insolvency or bankruptcy. Sturges' *Cases on Credit Transactions. Three hours, both semesters.* Mr. Hanft.

CRIMINAL LAW ADMINISTRATION

Organization and procedure in criminal courts: city, county, state, and federal; machinery and methods for prevention of crime, detection, apprehension, and trial of criminals; agencies for punishment, probation, pardon, and parole. Keedy's *Cases on Administration of Criminal Law. Four hours, first semester.* Mr. Coates.

DAMAGES

Nominal and exemplary damages. Compensatory damages: direct and consequential damages, avoidable consequences and mitigation. Certainty. Liquidated damages. Value. Interest, expenses, and counsel fees. Damages in particular types of actions. (Not given in 1931-1932.)

DOMESTIC RELATIONS

A study of the legal incidents of the family, including parent and child, infancy, husband and wife, and marriage, divorce, and separation. Madden's *Cases on Domestic Relations. Two hours, second semester.* Mr. Hanft.

EQUITY

The relations between legal and equitable remedies, historically and under modern codes; the subject matter of equitable relief, and the enforcement of equitable decrees, with particular reference to injunctions against torts and crimes and the specific performance of contracts. Durfee's *Cases on Equity. Four hours, second semester* Mr. VanHecke.

INSURANCE

A study of the history and fundamental principles of marine, fire, and life insurance. Special attention is given to the standard fire insurance policy and to preparation for insurance business and practice. (Not given in 1931 1932.)

MUNICIPAL CORPORATIONS

Constitutional limits within which the cities, counties, and state may operate; functions performed by the various local governmental units; their interlocking, overlapping, and conflicting interests. Tooke's *Cases on Municipal Corporations. Four hours, second semester.* Mr. Coates.

NEGOTIABLE INSTRUMENTS

Form and content of checks, drafts, notes, and trade acceptances; their rise in the business and banking fields, negotiability, acceptance, and certification; rights of holder in due course and liability of parties; clearance and collection of checks, presentment, notice of dishonor; the provisions of the Negotiable Instruments Law. Britton's *Cases on Bills and Notes. Four hours, first semester.* Mr. Breckenridge.

REAL PROPERTY II

Possessory titles. Prescription. Accretion. Mode of conveyance at common law, under the statute of uses, and under modern statutes. Execution of deeds. The property conveyed. Creation of easements by implication. A

brief review of estates created. Covenants for title. Estoppel by deed. Priorities. Aigler's *Cases on Titles. Four hours, first semester.* Mr. McCall.

SALES

Subject matter of sale; executory and executed sales; bills of lading; stoppage *in transitu;* overdue paper; fraud; factors' acts; warranty and remedies for breach of warranty. Woodward's *Cases on Sales* (2nd ed.). *Three hours, second semester.* Mr. Hanft.

WILLS

The substantive and adjective law of wills, including descent and the administration of estates. (Not given in 1931-1932.)

Third Year

ADMINISTRATIVE LAW

Agencies for the administration of the law: city, county, state, federal; constitutional limits within which these agencies operate; their practice and procedure; their interrelations with the legislative and judicial branches of government. Freund's *Cases on Administrative Law* (2nd ed.). *Three hours, second semester.* Mr. Coates.

CONFLICT OF LAWS

This course treats of the principles of international private law; jurisdiction, particularly in connection with the effect of foreign judgments; the applicability of rules derived from foreign or extra-state law in respect to procedure, torts, contracts, quasi-contracts, and domestic relations; and the creation, transfer, etc., of all forms of property. Mr. Wettach.

CONSTITUTIONAL LAW

Judicial function of giving effect to constitutions. The national state and its governmental organization. Citizenship, national and state. Separation and delegation of governmental powers. Due process and equal protection of the laws. Administrative officers and boards. Power of eminent domain. Retroactive laws. Regulation of commerce. Taxation: federal and state. Corporations, especially foreign. The treaty power. McGovney's *Cases on Constitutional Law. Four hours, first semester.* Mr. Wettach.

CORPORATIONS

The nature of a corporation; promotion of corporations; corporate powers; corporate liability for torts and crimes; unauthorized corporate action, including doctrines of *de facto* corporations, and *ultra vires* acts; officers, stockholders, and creditors of corporations; reorganization of corporations. Warren's *Cases on Corporations* (2nd ed.). *Four hours, first semester.* Mr. Breckenridge.

CORPORATION FINANCE

The corporation as an instrument of finance and business activity, including corporate contracts, management, and securities; and the processes of corporate financing, including negotiations for capital, investment banking operations, issuance of and market for securities, expansion, and reorganization. Berle's *Cases on Corporation Finance. Three hours, second semester.* Mr. Breckenridge.

EVIDENCE

Judicial notice. Presumptions and burden of proof. Functions of court and jury. Witnesses: examination, competency, and privilege. Rules of exclusion: evidence illegally obtained; the hearsay rule and its exceptions. Rule as to writings: evidence of authenticity; best evidence rule; parole evidence rule. Opinion evidence. Remote and prejudicial evidence. Character and reputation. Thayer's *Cases in Evidence* (Maguire's ed.). *Four hours, second semester.* Mr. Chadbourn.

FEDERAL PROCEDURE

Nature, sources, and extent of the federal judicial power; state laws as rules of decisions; the Conformity Act; distinctions between law and equity; district

courts; removal of causes; jurisdiction of circuit courts of appeals and supreme court. (Not given in 1931-1932.)

LEGAL ETHICS

The history and organization of the legal profession in England and the United States. The lawyer's qualifications. The admission and discipline of lawyers. The ethical duties of lawyers to courts. Ethics of legal employment in general. Solicitation of legal business. The ethical duties of lawyers in criminal and civil cases. Pecuniary relations of lawyers and clients. Mr. Coates.

LEGISLATION

The legislative process; the drafting of legislative measures: and the problems of statutory construction. (To be given in the fall semester, 1932-1933.)

PARTNERSHIP

A study of the forms of business units other than the corporation. (Not given in 1931-1932.)

PUBLIC UTILITIES

What occupations are public callings at common law and under statutes; duty to supply adequate non-discriminatory service at reasonable rates; right to discontinue service; regulation of rates; commissions. Smith and Dowling's *Cases on Public Utilities. Three hours, first semester.* Mr. Hanft.

TRADE REGULATIONS

Contracts in restraint of trade and competition; monopolies; the federal and state anti-trust acts; unfair business practices at common law, in equity, and under statutes. (Not given in 1931-1932.) Mr. Breckenridge.

TRUSTS

The historical development of the trust; the settlor; the creation of the trust relation; the *cestui que* trust; the trustee; the subject matter of the trust; the administration of the trust; creditors' rights; tracing, preference and priorities; modification and termination. (Not given in 1931-1932.)

THE SUMMER SCHOOL

The summer session of the School of Law offers opportunities for students to supplement the work of the regular year by additional courses, some of which are not otherwise available, or to shorten the period of study for the law degree to two regular years and three summer sessions. The summer session is divided into two terms of five and one-half weeks each. Separate credit may usually be obtained for the work of each term. Attendance throughout the entire summer session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

A full curriculum is provided for both beginning and advanced students. The faculty always includes as visiting professors a number of distinguished judges and law teachers from other universities. In 1931 these were Associate Justices George W. Connor and Willis J. Brogden of the Supreme Court of North Carolina; Percy W. Phillips, formerly a member of the U. S. Board of Tax Appeals; and Professors Richard R. Powell of Columbia University, Roscoe B. Turner and William R. Vance of Yale University.

An announcement of the program for the 1932 summer session will be published in the spring of that year.

THE LAW BUILDING

The Law School occupies Manning Hall, named for John Manning, from 1881 to 1899 a distinguished professor in the School. The building was erected in 1923 and, besides being modern and commodious, is particularly notable for beauty of design.

THE LAW LIBRARY

The library has more than 24,000 well selected volumes on its shelves. These include the reports of the courts of last resort of all the states either in official volumes or the National Reporter System, and also the United States Supreme Court Reports, The Federal Reporter, The New York Supplement, Illinois Appellate Reports, The English Reports Reprint, The Law Reports (English), The Law Journal Reports, The Law Times Reports, The Times Law Reports, The Dominion Law Reports, the codified laws of each state in the union, the federal and English statutes, and a comprehensive selection of digests, encyclopedias, annotated reports, textbooks, and law journals. It contains among other material of historical legal interest, the law libraries of Chief Justice Richmond M. Pearson, Chief Justice William A. Hoke, and Judge Charles M. Cooke. The law library was substantially augmented in 1928 by a gift from a former student of the School of $10,000, called the Lucius Polk McGehee Memorial Fund, which was expended for the purchase of books for the law library.

THE NORTH CAROLINA LAW REVIEW

The North Carolina Law Review, issued quarterly, is published by the Law School. It is devoted to the discussion of general and local legal problems and new cases, especially those of interest to North Carolina lawyers. The notes on recent cases are prepared by the student editors, in consultation with faculty advisers. Selection of the student editors is made by the faculty on the basis of scholarship, and membership on the editorial board is the highest scholastic honor attainable by a law student before the graduating year.

The Hill *Law Review* Prize, established by George Watts Hill, Esq., of the Durham Bar, is an award of fifty dollars to the student editor who makes the best total contribution to the *Law Review* during the year. It was won in 1931 by Mr. James H. Chadbourn.

FACULTY RESEARCH ASSISTANTS

The faculty selects annually four assistants from the student body who conduct special research under the direction of the faculty. These assistants are chosen for outstanding proficiency demonstrated in their work as students in the School of Law.

The following students served as research assistants during the year 1931-32: William T. Covington, Jr., Naomi Alexander, Travis Brown, and Susie Sharp.

THE ORDER OF THE COIF

In twenty-eight of the leading law schools of this country, conforming to very high standards, chapters have been established of the honorary law school society of the Order of the Coif. Membership is awarded each year to those students of the senior class who throughout their law school careers have attained a standing among the highest ten *per cent.* of their class. In 1931, the following were elected: James H. Chadbourn, Wex Malone, T. Carlyle Smith, and Junius Parker, Esq., of the New York Bar (honorary).

ADDITIONAL OPPORTUNITIES OF UNIVERSITY LIFE

Students in the School of Law may be admitted to the courses given in the other departments and schools of the University, subject to the rules stated as to the number of hours which a student may take, and subject to the approval of the dean of the School of Law. A student taking such a course must satisfy the entrance requirements for the course selected.

As students of the University, they enjoy all privileges of the University library, the University gymnasium, and the organizations of the University generally—literary, social, and athletic.

For further information as to requirements for admission, or as to living conditions, address *The Dean of Admissions, The University of North Carolina, Chapel Hill, N. C.*

For information as to courses or other matters pertaining particularly to the School of Law, address the *Dean of the School of Law, The University of North Carolina, Chapel Hill, N. C.*

THE SCHOOL OF MEDICINE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
ISAAC HALL MANNING, M.D., *Dean.*

*THE ADMINISTRATIVE BOARD

CHARLES STAPLES MANGUM, A.B., M.D.
WILLIAM DEBERNIERE MACNIDER, M.D.
JAMES BELL BULLITT, A.M., M.D.
WESLEY CRITZ GEORGE, Ph.D.
ROBERT ERVIN COKER, Ph.D.
JAMES MUNSIE BELL, Ph.D.
†LOUIS ROUND WILSON, Ph.D.
THORNDIKE SAVILLE, C.E., M.S.
DANIEL ALLEN MACPHERSON, Sc.M., Ph.D.

SPECIAL STAFF

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy.*
ISAAC HALL MANNING, M.D., *Professor of Physiology.*
WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Research Professor of Pharmacology.*
JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
WESLEY CRITZ GEORGE, Ph.D., *Professor of Histology and Embryology.*
JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Pharmacy.*
DANIEL ALLEN MACPHERSON, Sc.M., Ph.D., *Professor of Bacteriology.*
ROBERT BAKER LAWSON, M.D., *Associate Professor of Applied Anatomy.*
‡FREDERICK PHILLIPS BROOKS, Ph.D., *Associate Professor of Physiological Chemistry.*
GRANT LESTER DONNELLY, A.B. in Educ., *Assistant Professor of Pharmacology.*
GEORGE LUNSFORD CARRINGTON, M.D., *Instructor in Clinical Microscopy.*
THOMAS HENDERSON BYRNES, B.S., M.D., *Instructor in Pathology.*
WALTER MONROE SUMMERVILLE, *Research Assistant in Pharmacology.*
ROBERT EDWARD STONE, *Assistant in Anatomy.*

GENERAL STATEMENT

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine was offered under the preceptorial system, but the plan was found impracticable and was abandoned in 1886. In 1890, a

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board
† Resigned, January 1932.
‡ Absent on leave, 1931-1932.

more orderly and logical arrangement of the subjects in the medical course having developed, it became possible for an institution without clinical facilities to offer instruction in the preclinical subjects, and the school was reopened with Dr. Richard H. Whitehead as Dean and Professor of Anatomy. Under his guidance it soon won recognition for thoroughness of instruction and excellence in scholarship and has since continued without interruption to its growth. At first the course covered only one year, but in 1896, the medical course having been extended in the better class of schools to four years, a two-year course was inaugurated. In 1900 the School of Medicine was incorporated as an integral part of the University and was reorganized to meet the requirements of the first two years of the full four-year course leading to the degree of doctor of medicine. In 1902 it was expanded into a four-year school, and the clinical subjects of the third and fourth years were offered in Raleigh under the direction of Dr. Hubert A. Royster as Dean. After a few years of successful operation, this plan had to be abandoned for lack of financial support, and the clinical subjects were dropped. In 1908 the school was admitted to membership in the Association of American Medical Colleges, and is ranked in the class "A" group by the American Medical Association.

The subjects included in the four-year course in medicine are arranged into two main groups, the so-called laboratory and clinical groups, and two years of study are devoted to each. This natural division makes it possible for a student to pursue the laboratory subjects in one institution and the clinical subjects in another without loss of continuity and with no disadvantage. Students who have successfully completed the two-year course in the laboratory group of subjects offered here are prepared to begin the study of the clinical subjects and may be transferred, without examination and with full credit, into the third year of other American Medical Colleges of the highest rank.

The School of Medicine is located on the University campus in a laboratory building, Caldwell Hall, which is equipped to take care of classes of forty men in each of the two years. In addition to laboratories and lecture rooms, this building contains the medical section of the general University library, which for many years has been devoted chiefly to the building up of complete sets of those scientific journals which are concerned with the products of research in the fields covered by the laboratory courses taught in the school.

The students of the Medical School are regularly enrolled in the University, enjoy all the privileges of University students, and are amenable to all general University regulations and to the special regulations of the Medical School.

REQUIREMENTS FOR ADMISSION

Admission to this School of Medicine requires preparation similar to that specified for admission to all grade A schools of medicine. The minimum requirements are shown on page 44. The University recommends to each applicant that he prepare himself as fully as his age and resources permit. If possible he should first secure a bachelor's degree, either A.B. or S.B., before beginning his professional study. If this is impracticable, he may secure excellent preparation by completing the academic curriculum outlined on pages 169-170, or may secure the minimum requirements by completing the two years premedical courses suggested on page 171.

Students are earnestly advised not to undertake the study of medicine with merely the minimum requirement of two years of college training. An increasing number of medical schools are requiring at least three years of college work as a prerequisite for transfer into the junior year.

It is to be noted that this school does not contract to admit all students who have completed the three years of academic work prescribed as part of the requirement for the degree of Bachelor of Science in Medicine and outlined on pages 169-170, nor will the University confer such degree upon a student who completes at another institution the prescribed two years of medical work. To those who complete here both the academic and the first two years of medical work there is given the opportunity to obtain a bachelor's degree and the degree of M.D. in seven years.

EXPENSES

See pages 44-48.

SPECIAL NOTICE

An applicant notified of his acceptance must deposit with the Cashier of the University, not later than June 15, a deposit of $50.00; otherwise the acceptance will be withdrawn. If the applicant presents himself for registration and remains in the school during the first quarter, the deposit will be accredited to his account; otherwise the deposit will be forfeited.

SCHOLARSHIP

The Wood Scholarship. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded a scholarship in memory of her husband, the late Dr. Thomas Fanning Wood.

THE MEDICAL CURRICULUM

The medical curriculum covers two years of thirty-four weeks each, divided into three periods, or quarters, of approximately equal length.

First Year

BIOLOGICAL CHEMISTRY: Nine hours a week, winter quarter.

HISTOLOGY: Six hours a week, fall quarter; nine hours a week, winter quarter.

GROSS ANATOMY: Twenty-one hours a week, fall quarter; eighteen hours a week, winter quarter.

NEURO-ANATOMY: Twelve hours a week, spring quarter.

EMBRYOLOGY: Three hours a week, fall quarter; six hours a week, spring quarter.

BACTERIOLOGY: Fifteen hours a week, spring quarter.

MATERIA MEDICA: Five hours a week, fall quarter.

Second Year

BIOLOGICAL CHEMISTRY: Six hours a week, fall quarter.

PHYSIOLOGY: Twelve hours a week, fall quarter; twelve hours a week, winter quarter.

IMMUNOLOGY: Nine hours a week, fall quarter.

PATHOLOGY: Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.

PHARMACOLOGY: Three hours a week, fall quarter; ten hours a week, winter and spring quarters.

SURGICAL ANATOMY: Six hours a week, spring quarter.

HYGIENE: Three hours a week, winter quarter.

PHYSICAL DIAGNOSIS: Four hours a week, winter quarter.

Summary of First and Second Year

Subjects	*Hours*
Biological Chemistry	160
Anatomy	750
Physiology	260
Pharmacology	300
Bacteriology and Immunology	250
Pathology	275
Surgical Anatomy	60
Hygiene	33
Physical Diagnosis	40

EXAMINATIONS

The regular examinations in the Medical School are held during the examination periods of the College of Liberal Arts at the close of each quarter. First year students will be allowed special examinations for the removal of conditions during the week preceding the close of the third quarter, or during the registration week in September.

An examination will not be allowed a student who is charged with ten per cent of unexcused absences, or with absences amounting to twenty per cent of the total number of hours assigned the subject.

PROMOTIONS

If a first year student makes a grade of F on any subject, or a grade of E with failure to remove it by subsequent examination, he will be required to withdraw from the school. A first year student who has been dropped from the Medical School and has returned to college and done creditable work for three quarters may be considered for readmission to the first year class.

If a second year student makes a grade of E on any subject he may be given another examination on that subject at any subsequent examination period or during the following month of July, but, if a second year student makes a grade of F on one major subject or an E on each of two major subjects, the privilege of reëxamination shall be denied. He may be allowed to repeat the second year with the consent of the faculty.

COURSES OF INSTRUCTION

Certain courses in the curriculum of the School of Medicine are approved by the Graduate School as minors for the master's and doctor's degree. For details see under Graduate School.

DEPARTMENT OF ANATOMY

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the central nervous system and the organs of special sense.

1. GROSS ANATOMY.

Laboratory talks, demonstrations, and conferences take the place of lectures. The student makes a complete dissection of the human body under the constant supervision and direction of an instructor, who insists upon the use of texts, guides, and atlases, and holds practical examinations upon the cadaver. Each student is provided with a complete set of disarticulated bones which he is required to demonstrate. *Twenty-one hours a week, fall quarter; eighteen hours a week, winter quarter.* Professor Mangum; Mr. Stone.

2. GENERAL HISTOLOGY AND ORGANOLOGY.

Includes: (a) Study of the fundamental tissues, followed by (b) the study of the microscopic structure of the organs of the body, in connection with an examination of gross structure. Lectures, demonstrations, and laboratory. *Six hours a week, fall quarter; nine hours a week, winter quarter.* Professor George. See catalogue of the Graduate School.

3. CYTOLOGY AND HISTOGENESIS.

Those who have completed course 2 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangements for this course may be made with the instructor. Professor George.

4. EMBRYOLOGY.

(a) Lectures and laboratory study of the early processes in the formation of the vertebrate body. (b) Lectures, demonstrations, and laboratory study of mammalian embryos. *Three hours a week, fall quarter; six hours a week, spring quarter.* Professor George. See catalogue of the Graduate School.

5. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE.

A special laboratory study of the gross and microscopic anatomy of the cord and encephalon. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the brain stem which he studies with the aid of a guide. A human brain is then given to each group of four men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei. *Twelve hours a week, spring quarter.* Professor Mangum. See catalogue of the Graduate School.

6. SURGICAL ANATOMY.

The principles of minor surgery and the relation of anatomy to surgery, including the surface markings of organs, their location and inter-relationship, incisions for reaching nerves and arteries, influence of muscles upon fractures, and luxations, amputations and other surgical operations upon the cadaver. Instruction is by lectures, X-ray plates, and practical work upon the cadaver. *Six hours a week, spring quarter.* Associate Professor Lawson.

The Department provides facilities to physicians and surgeons who wish to make special dissections or carry out any special study in the field of anatomy.

DEPARTMENT OF BACTERIOLOGY

1. ELEMENTARY BACTERIOLOGY. Prerequisite, Chemistry 1-2 and Botany 1. *Elective.

A lecture and laboratory course offered as a general science course. The fundamental principles of bacteriology are emphasized, and the student is trained in general bacteriological technique. The morphological and biological characteristics of the molds, yeasts, and saprophytic bacteria are studied. Pure cultures are isolated from air and water, and identification attempted. The applications of bacteriology to agriculture, industry, and the home are considered. (Registration of a minimum of six students required.) *Nine hours a week (lectures and laboratory), winter quarter. Laboratory fee, $4.00.* Professor MacPherson.

2. PATHOGENIC BACTERIOLOGY. Required of medical students.

The early weeks of the course are devoted to a thorough grounding in the fundamental principles of bacteriology. Each student prepares the various culture media in common use; cultivates and describes several non-pathogens from stock cultures; and practices the more useful staining methods. Pure cultures are isolated from air and water and their biology studied. The major portion of the course is devoted to the detailed study of the pathogens. Unknown mixtures are used to test the student's ability to differentiate organisms of the various groups. Practical applications of bacteriology in the diagnosis of disease are stressed by the examinations of sputa, pus, feces, and blood. Animal inoculations are made to demonstrate the process of infection and the differentiation of certain organisms. Lectures cover all the more important diseases. *Fifteen hours a week (lectures and laboratory), spring quarter. Laboratory fee, for non-medical students, $6.00.* Professor MacPherson. See catalogue of the Graduate School.

3. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS. Required of medical students. Prerequisite, Bacteriology 2 or its equivalent. *Elective.

The early laboratory work is designed to demonstrate the basic principles of immunology and serology. Practical training is given in the production and use of agglutinins, precipitins, lysins, and complement fixing antibodies. Vaccines

* Before registering for this course the academic student must secure the permission of his Dean.

are prepared, and their use demonstrated. The preparation and standardization of antimicrobic and antitoxic sera are studied. Anaphylaxis and allergy are produced in animals, and methods of diagnosis and desensitization practised. The student is required to prepare his own materials and to inject and bleed animals himself. Special attention is given to the use of these principles in the diagnosis of blood stains, blood grouping, typhoid fever typhus fever, diphtheria, tuberculosis, hay fever, gonorrhea, and syphilis. Unknown specimens test the student's ability to use the reactions. Lectures consider the principles of infection, immunity, and resistance. *Nine hours a week (lectures and laboratory), fall quarter. Laboratory fee for non-medical students, $10.00.* Professor MacPherson. See catalogue of the Graduate School.

4. PUBLIC HEALTH AND HYGIENE. Prerequisite, Bacteriology 2. *Elective.

Lectures and quizzes on the sources, mode of spread, and control of communicable diseases; ventilation; water and sewage purification; soil pollution; hygiene of foods; carriers; and insect vectors. *Three hours a week, winter quarter.* Professor MacPherson.

5. PUBLIC HEALTH LABORATORY METHODS. Prerequisite, Bacteriology 2 or its equivalent. *Elective.

A course of training in the modern bacteriological methods employed in the routine work of a public health laboratory. Practice is afforded in the laboratory diagnosis of diphtheria, tuberculosis, typhoid fever, pneumonia, malaria, gonorrhea, syphilis, and rabies. The bacteriological examination of water, milk, and canned goods is also practised. The course is designed for medical students, and those wishing to qualify as bacteriological laboratory technicians. *Six hours a week, spring quarter. Laboratory fee for non-medical students, $6.00.* Professor MacPherson.

6. ADVANCED BACTERIOLOGY AND RESEARCH. Prerequisite, Bacteriology 2 or its equivalent. *Elective.

Opportunity and facilities are offered to qualified students to pursue advanced work in bacteriology and immunology. *Hours arranged.* Professor MacPherson.

DEPARTMENT OF PATHOLOGY

1. PATHOLOGY.

Embraces a consideration of general and special pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and microscopical preparations. Each student is supplied with a set of "loan" sections (about 200) which form the basis of the study. This is supplemented by the use of a considerable number of special demonstration sections. A series of practical examinations is held, in which each student is required to diagnose the process and describe the salient features in about fifty "unknown" sections. *Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.* Professor Bullitt. See catalogue of the Graduate School.

2. CLINICAL MICROSCOPY.

In this course a study is made of blood, urine, sputum, stomach contents, feces. spinal fluid, and various exudates. Some of its content has been partially covered in the courses in Chemistry, Bacteriology, and Pathology, but considerable additional material is supplied and this material is studied in more detail. The student has the opportunity to acquire skill in making these examinations. Emphasis is laid upon the clinical aspects. The work consists chiefly of laboratory exercises but these are supplemented, where necessary, by lectures. *Three hours a week, spring quarter.* Doctor Carrington.

3. ADVANCED PATHOLOGY. Two courses are offered.

(a) Surgical Pathology (prerequisite, Pathology 1); a detailed study of surgical

* Before registering for this course the academic student must secure the permission of his Dean.

material, with special reference to tumors. (b) Experimental Pathology; production of various inflammatory lesions and study of their development. *Hours by arrangement.* Professor Bullitt.

DEPARTMENT OF PHARMACOLOGY

1. MATERIA MEDICA AND CHEMICAL PHARMACOLOGY.

The course is an integral part of the course in Pharmacology for second year medical students and is a prerequisite to it.

This introductory course has a triple purpose: first, to familiarize students with the physical character and behavior of the official drugs; second, to demonstrate the manner in which these drugs are brought together in making medicinal formulas; and third, to show how these and other drugs may be ordered by means of properly written prescriptions. Classroom and laboratory exercises are regularly held to acquaint students with the appearance and nature of crude drugs, pharmaceutical preparations, and synthetic compounds; while representative types af medicines—tinctures, ointments, pills, etc.—are made by each student in order to gain first-hand knowledge of formula construction. Prescription writing is given careful consideration with particular attention being paid to terminology and incompatibility. *Five hours a week, fall quarter.* Professors Beard, Jacobs.

2. PHARMACOLOGY.

The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a) A consideration of the ways in which drugs may affect the organism. This introduction embraces a discussion of the various physicochemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b) A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c) A consideration of the pharmacology of the drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor.

3. PHARMACODYNAMICS.

This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, and explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held. *Three hours a week, fall quarter; ten hours a week, winter and spring quarters.* Professors MacNider, Donnelly. See catalogue of the Graduate School.

4. ADVANCED PHARMACOLOGY.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal; (b) an experimental study of the action of various drugs and other agents upon the pathological animal. Professor MacNider.

DEPARTMENT OF PHYSIOLOGY

The course in Physiology is given in four parts as follows:

1-2. PHYSIOLOGY.

A lecture course for two quarters, in which the functions of the systems of organs are explained and discussed as fully as time permits. The subjects include the digestion, the circulation, respiration, elimination, metabolism, the internal secretions, heat regulation, the nervous system, and the special senses. Attention is called to pathological conditions which are commonly associated with disturbed functions and which emphasize the importance of normal function. *Six hours a week, fall and winter quarters.* See catalogue of the Graduate School.

3. BIOLOGICAL CHEMISTRY 1.

A lecture and laboratory course during the winter quarter of the first year in which the fundamental principles of the subject are discussed and illustrated by appropriate experiments in the laboratory as far as possible. The chemistry of the "body stuffs" and the other general subjects of physiological chemistry are treated in the usual way. *Nine hours (lecture and laboratory) a week, winter quarter.*

4. BIOLOGICAL CHEMISTRY 2.

In the fall quarter of the second year, the class is divided into two sections for the more difficult work in digestion, blood and urine analysis, basal metabolism, etc. *Six hours (lecture and laboratory) a week, fall quarter.*

5. EXPERIMENTAL PHYSIOLOGY.

A laboratory course during the fall and winter quarters of the second year. Special experiments performed in small sections are carried on in the winter quarter. In this course the student learns the use of physiological apparatus; studies the neuro-muscular system and heart on the frog and turtle; the vascular and respiratory systems on the rabbit and dog; and performs a limited number of experiments on the human, making pulse records, taking blood pressure, determining basal metabolic rates, etc. *Six laboratory hours a week, fall quarter.* Professors Manning, Brooks. See catalogue of the Graduate School.

6. ADVANCED COURSE IN BIOLOGICAL CHEMISTRY.

(a) Biochemical Methods. Studies of biochemical methods. Original articles are consulted and theoretical problems worked out. *Three lectures weekly, spring quarter.*

(b) Biochemical Preparations. The preparation of plant and animal products of special interest. A laboratory course in conjunction with course (a). *Six laboratory hours a week, spring quarter.*

PHYSICAL DIAGNOSIS

A course in the technique of physical examination: auscultation, palpation, percussion, and the study of the filming of the organs, both normal and diseased. The class is taken by sections for all-day clinics to the State Sanatorium and the State Hospital. Lectures include all the diseases of the thorax and the clinical signs of the common affections. *Four hours a week, winter quarter.*

THE SCHOOL OF PHARMACY

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
JOHN GROVER BEARD, Ph.G., Ph.M., *Dean.*

*THE ADMINISTRATIVE BOARD

WILLIAM DEBERNIERE MACNIDER, M.D.
JAMES MUNSIE BELL, Ph.D.
DUDLEY DEWITT CARROLL, M.A.
HENRY ROLAND TOTTEN, Ph.D.
HENRY MATTHEW BURLAGE, Ph.D.
IRA WINFIELD ROSE, Ph.G.
MARION LEE JACOBS, Ph.C., M.Sc.

The Special Staff of Instruction consists of those named above with the addition of other instructors in the Departments of English, French, German, Mathematics, Chemistry, Botany, Zoölogy, Bacteriology, Pathology, and Economics and Commerce.

HISTORICAL SKETCH AND DESCRIPTION OF COURSES

In 1880 Dr. Thomas W. Harris was instrumental in establishing a Pharmacy School at the University in connection with the School of Medicine. Doctor Harris was Professor of Anatomy, Materia Medica, and Pharmacy. The course in pharmacy extended over two sessions of five months each, and led to the degree of Graduate in Pharmacy (Ph.G.). The school was continued until the resignation of Doctor Harris in 1886, when it was abandoned completely. In the fall of 1889 the school was revived by Dr. Richard H. Whitehead, but again its career was cut short.

In March of 1897 the present School of Pharmacy was established, and Edward Vernon Howell was elected Professor of Pharmacy, and given charge of the school. At that time the school occupied the ground floor of the New West Building. The first lectures were offered in September of 1897 and the course of study extended over two sessions of nine months each and led to the degree of Graduate in Pharmacy (Ph.G.). In the summer of 1912 the school was moved to Person Hall.

In 1917 the school was admitted to membership in the American Association of Colleges of Pharmacy, an organization founded for the promotion of pharmaceutical education. Member-colleges, in order to retain their membership must maintain certain entrance and graduation requirements and must in other ways follow out general practices as determined by the Association.

In order to comply with the Association's requirements the course

* The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

of study leading to the degree of Graduate in Pharmacy was advanced in 1925 from two to three years. A four-year course, administered by the School of Applied Science, was added leading to the degree of Bachelor of Science in Pharmacy (S.B. in Phar.). Beginning in September, 1932 the three-year course will be replaced by a baccalaureate course.

In the fall of 1925 the School of Pharmacy moved into the building formerly occupied by the Department of Chemistry. The building is now known as the Howell Hall of Pharmacy. The school has gradually developed with respect to members of the faculty, equipment, and apparatus. The pharmaceutical library has been made valuable by many historical and modern books on pharmacy and its allied branches and by bound volumes of proceedings and journals, either given by friends or purchased by the University.
and journals, either given by friends or purchased by the University.

The School of Pharmacy recognizes that its graduates may be expected to pursue one or another of three related but definitely different forms of pharmaceutical practice. (1) They may become prescriptionists in or owners of retail drug stores; (2) they may elect to enter the field of medicinal manufacture; or (3) they may decide to establish technical laboratories or enter the U. S. Public Health Service. These different forms of effort require a specialized type of training and the School, in its new curriculum, has attempted to provide such specialization. Certain subject matter, however, is basically necessary regardless of what type of pharmaceutical career is to be followed and the School has accordingly set up a common course for its freshmen and sophomores. At the beginning of the junior year specialization begins through the election by the student of his preferred group of studies. The "A" group of courses is designed for students who expect to become practising retail pharmacists; the "B" group for students who will become manufacturing pharmaceutical chemists; and the "C" group for students who desire training as clinical technicians or who expect to apply for commissions in the U. S. Public Health Service.

REQUIREMENTS FOR ADMISSION

See page 43.

NOTE. Special course. A few students, who are more than twenty-one years of age and who in the judgment of the Dean are qualified to carry work of college grade, may be admitted for a one year special course of study without the regular requirements for admission. This course is intended to qualify students for license as assistant pharmacists.

EXPENSES

See pages 44-48.

ATTENDANCE AND PROMOTION

Regular attendance upon all classes is required of every student of pharmacy. In any quarter, absences are counted from the first regular meeting of each class. For other regulations concerning attandance please see pages 60-62, as the same regulations are in force for students in pharmacy as for undergraduate students.

Curriculum Leading to the Degree of Graduate in Pharmacy

Until June, 1934, the curriculum leading to the degree of Graduate in Pharmacy (Ph.G.) will be maintained for students who are now registered for this degree. Statements concerning this curriculum will be found in the catalogue for 1930-31.

Curricula Leading to the Degree of Bachelor of Science in Pharmacy

In order to be recommended for the degree of Bachelor of Science in Pharmacy the student must have completed one of the four-year courses of study outlined below. A student who has completed one or more years of accredited work in a recognized school of Pharmacy and submits satisfactory evidence of having completed the entrance requirements and courses equivalent to those prescribed in the curriculum required for the degree of S.B. in Pharmacy, may be admitted with advanced standing and proceed for this degree.

A student must obtain satisfactory marking in attendance, making a grade of D or better in each course.

No first year student who fails in the three regular quarters of the session to pass at least five courses, and no other student who fails to pass seven courses or equivalent, shall be readmitted to the School of Pharmacy except by a special vote of the Administrative Board of the School. Deficiencies may be made up by correspondence work or in summer school, in which case the number of courses above becomes six and eight respectively.

Curricula Leading to the Degree of S.B. in Pharmacy

Freshman Year

Fall Quarter: Chemistry 1A, English 1a, Pharmacy 1, Pharmacy 10, Pharmacy 11.

Winter Quarter: Chemistry 2A, English 1b, French 3 or German 3,* Pharmacy 12.

Spring Quarter: Chemistry 31, English 1c, French 4 or German 4,* Pharmacy 13.

Sophomore Year

Fall Quarter: Botany 21, Chemistry 41, Pharmacy 21.

Winter Quarter: Botany 22, Chemistry 42, Zoölogy 41ab.

Spring Quarter: Materia Medica 51, Mathematics 1P, Pharmacy 23, Physiology 23.

* The modern language courses must follow those presented for entrance.

CURRICULUM A

Junior Year

Fall Quarter: Economics 31, Materia Medica 52, Pharmaceutical Chemistry 61, Pharmacology 55.

Winter Quarter: Economics 32, Materia Medica 53, Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64.

Spring Quarter: Commerce 71P, Pharmaceutical Chemistry 63, Pharmacy 83.

Senior Year

Fall Quarter: First Aid 56, Pharmaceutical Chemistry 70, Pharmaceutical Chemistry 71, Pharmacy 90, Pharmacy 91.

Winter Quarter: Commerce 61 or 165, Pharmacy 92, Pharmacy 96, Elective.

Spring Quarter: English 51P, Materia Medica 57, Pharmacy 93, Pharmacy 97, Pharmacy 99.

CURRICULUM B

Junior Year

Fall Quarter: Materia Medica 52, Pharmaceutical Chemistry 61, Pharmacology 55, Pharmacy 91.

Winter Quarter: Materia Medica 53, Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64, Pharmacy 92.

Spring Quarter: Chemistry 71, Pharmaceutical Chemistry 63, Pharmaceutical Chemistry 161, Pharmacy 81.

Senior Year

Fall Quarter: Chemistry 163, Pharmaceutical Chemistry 70, Pharmaceutical Chemistry 71, Pharmaceutical Chemistry 162.

Winter Quarter: Botany 52, Pharmaceutical Chemistry 163, Pharmaceutical Chemistry 172, Pharmacy 82, Physics 21.

Spring Quarter: English 51P, Pharmaceutical Chemistry 173, Physics 22.

CURRICULUM C

Junior Year

Fall Quarter: Economics 31, Materia Medica 52, Pharmaceutical Chemistry 61, Pharmacology 55.

Winter Quarter: Bacteriology 1, Economics 32, Materia Medica 53, Pharmaceutical Chemistry 62.

Spring Quarter: Bacteriology 2, Pharmaceutical Chemistry 63, Pharmacy 83.

Senior Year

Fall Quarter: Pharmaceutical Chemistry 71, Pharmacy 91, Pharmacy 191, Elective.

Winter Quarter: Botany 52, Pharmaceutical Chemistry 64, Pharmacy 81, Pharmacy 92, Pharmacy 96.

Spring Quarter: English 51P, Pathology 2, Pharmacy 82, Pharmacy 93, Pharmacy 97.

Graduate Work in Pharmacy

The degree of Master of Science in Pharmacy will be conferred on students who have satisfactorily completed approved graduate work extending over not less than one year. This course is administered by the Graduate School and information concerning it may be obtained by addressing the Dean of the Graduate School.

*COURSES OF INSTRUCTION

Botany

21. (11). GENERAL BOTANY FOR PHARMACY STUDENTS.

An introduction to the structure, classification, and activities of plants, with life history studies from the principal groups, including algae, bacteria, fungi, mosses, ferns, and the seed plants; the use of the simple and compound microscopes; the identification of plants in the field; the collection of plants, especially drug plants, and the preparation of herbaria. (Not offered 1932-1933). *Four lecture and four laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00.* Value, 6 quarter-hours. Professor Totten and Assistants.

22 (12). PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. Prerequisite, Botany 21, or 1, or s1.

A study of drug plants; the structure of their parts and contents; the localization and identification of crystals, starches, mucilages, gums, oils, resins, glucosides, alkaloids, etc.; macroscopical and microscopical study of crude drugs and their adulterants and some study and identification of their powders. (Not offered in 1932-1933.) *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Value, 6 quarter-hours. Professor Totten; Messrs. Raper, Webb.

52. ADVANCED PHARMACOGNOSY. Prerequisite, Botany 21 or equivalent and Botany 22.

Advanced work in the study of drug plants; their cultivation, collection, curing, preparation for study; the evaluation of crude plant and animal drugs; with most emphasis upon the study and identification of powdered drugs and their adulterants. (Not offered in 1932-1933.) *One lecture and four laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Value, 3 quarter-hours. Professor Totten.

Materia Medica and Pharmacology

1. MATERIA MEDICA AND CHEMICAL PHARMACOLOGY.

For a description of this course see School of Medicine.

23 (30). PHYSIOLOGY.

A study of the functions of the normal human body and a consideration of how these functions are modified by the action of drugs. Laboratory experiments are conducted by the instructor to demonstrate the more important physiological reactions of the lower animals, frogs, turtles, and cats. *Three hours a week, spring quarter.* Value, 3 quarter-hours. Professor MacNider.

51-52 (20-21). MATERIA MEDICA. Prerequisite, Botany 21-22.

The individual drugs of the United States Pharmacopoeia and the National Formulary are considered from the standpoint of their origin, history, appear-

* The numbers shown in parentheses are those used prior to the issuance of this catalogue

ance, structure, active principles, chief medicinal properties, official preparations and doses. These drugs are grouped and studied according to the families to which they belong. Later they are classified into therapeutic groups, based on their action. Textbooks: Washburn's *Pharmacognosy and Materia Medica.* Beard's *Therapeutic Terms and Common Diseases.* Lectures and recitations. *Five hours a week, spring and fall quarters.* Value, 10 quarter-hours. Professor Beard.

53. MATERIA MEDICA. Prerequisite, Materia Medica 51-52.

This course is to be considered as a continuation of Materia Medica 51-52. In addition to a more comprehensive study of vegetable and chemical drugs, consideration is given to the animal and biological products which are used in therapeutics. Lectures and recitations. *Three hours a week, winter quarter.* Value, 3 quarter-hours. Professor Beard.

55 (32). PHARMACOLOGY. Prerequisite, Materia Medica 51, Physiology 23; corequisite, Materia Medica 52.

This course is concerned with the physiological and therapeutic action of drugs both upon man and upon lower animals. Prior to this work the student has completed Materia Medica 51 which is concerned with the study of the physical and chemical properties of drugs, their preparations, dosage, and a brief statement of their effect. This course in Pharmacology is intended to amplify and give in a more detailed fashion an understanding of the way in which the drug acts in normal and in toxic quantities. A consideration of the biological standardization of drugs is also a part of this course. Textbook: Bastedo's *Materia Medica, Pharmacology, and Therapeutics.* Lectures and laboratory. *Seven hours a week, fall quarter. Laboratory fee, $5.00.* Value, 5 quarter-hours. Professor MacNider and Assistant.

56. FIRST AID.

This course in First Aid, intended for pharmacy students, will consist of temporary bandaging, methods for the control of hemorrhages, arterial and venous; the functions and use of caustics, styptics, compresses, and plasters; emergency use of hypodermics; procedure in cases of exhaustion, fainting, drowning, chills, exposure, poisoning, burns, and puncture wounds; pulse rate and temperature in all degrees of shock in considering a hurry call for a physician. Lectures and laboratory. *Two hours a week, fall quarter.* Value, 2 quarter-hours. Professor Lawson.

57. BIOLOGICAL PRODUCTS. Prerequisite, Materia Medica 53.

A course dealing with the production, use, and preservation of biological products. *Three hours a week, spring quarter.* Value, 3 quarter-hours. Professor Jacobs.

291-292-293. RESEARCH IN MATERIA MEDICA AND PHARMACOGNOSY.

This course is intended for advanced degrees. Laboratory work with frequent conferences with the major professor; library investigation relating to the subject of research, which is assigned and approved by the professor in charge. *One lecture and nine laboratory hours a week. Laboratory fee, $10.00 a quarter.* Value, 16½ quarter-hours. Professors Beard, Totten.

Pharmaceutical Chemistry

61 (26). URINARY ANALYSIS. Prerequisite, Chemistry 41-42.

By means of laboratory work supplemented by lectures the student is drilled in making qualitative and quantitative analyses of urine. Reference: Hawk and Bergeim's *Physiological Chemistry. Two lecture and four laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Value, 4 quarter-hours. Professor Jacobs and Assistant.

62-63 (33-37). ORGANIC PHARMACEUTICAL CHEMISTRY. Prerequisite, Chemistry 41-42.

A consideration of the aliphatic and aromatic series. Stress is placed on the compounds of pharmaceutical importance. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 12 quarter-hours. Professor Jacobs and Assistant.

64 (27). PHARMACEUTICAL ANALYSIS. Prerequisite, Chemistry 41-42.

A laboratory and lecture course designed to acquaint the student with the identification tests and general assays of the *United States Pharmacopoeia* and *National Formulary.* Textbook: *United States Pharmacopoeia. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $7.50.* Value, 5 quarter-hours. Professor Jacobs and Assistant.

70 (25). TOXICOLOGY. Prerequisite, Pharmaceutical Chemistry 62-63.

A study of the physiological behavior of poisons and the antidotal treatment for the various types of poisoning. The laws regulating the sales of poisons are considered. The laboratory work consists of the separation and identification of poisons in foods and animal tissues. Textbook: Autenrieth and Warren's *Detection of Poisons. One lecture and four laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Value, 3 quarter-hours. Professor Jacobs and Assistant.

71. ORGANIC PHARMACEUTICAL CHEMISTRY. Prerequisite, Pharmaceutical Chemistry 62-63.

A consideration of organic compounds used in medicine with particular emphasis on the relationship between chemical structure and physiological action. *Three hours a week, fall quarter.* Value, 3 quarter-hours. Professor Jacobs.

141. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY. Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

A study of the more complex organic compounds used in medicine, emphasizing the structure, chemical relationship, and synthesis of these compounds. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Value, 6 quarter-hours. Professor Jacobs.

161-162-163. MEDICINAL PLANT PRODUCTS. Prerequisite, Pharmaceutical Chemistry 62 and 64; corequisite, Pharmaceutical Chemistry 63.

A study of medicinal plant constituents such as volatile oils, alkaloids, etc. with emphasis on their classification, constitution, formation, isolation, identification, and uses in medicine. *Two lecture and two laboratory hours a week, spring, fall, and winter quarters. Laboratory fee, $7.50 a quarter.* Value, 9 quarter-hours. Professor Burlage.

172. PHARMACEUTICAL ANALYSIS. Prerequisite, Pharmaceutical Chemistry 64.

A laboratory course supplemented by lectures emphasizing the more advanced and special assay methods of the *United States Pharmacopoeia* and *National Formulary. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Value, 5 quarter-hours. Professor Jacobs and Assistant.

173. FOOD AND DRUG ANALYSIS. Prerequisite, Pharmaceutical Chemistry 172.

A laboratory and lecture course dealing with the methods employed by government laboratories to control food and drug products. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Value, 5 quarter-hours. Professor Jacobs and Assistant.

242-243. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY. Prerequisite, Pharmaceutical Chemistry 141 or equivalent.

A study of the complex synthetic organic medicinal products. Their structure, synthesis, and properties are considered. *One lecture and eight laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 10 quarter-hours. Professor Jacobs.

245. ADVANCED TOXICOLOGY. Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

The medico-legal aspects of toxicology are considered with particular emphasis on the identification of poisons in cadaverous material. *Two lecture and six*

laboratory hours a week, fall quarter. Laboratory fee, $10.00. Value, 5 quarter-hours. Professor Jacobs.

261-262-263. ADVANCED MEDICINAL PLANT CHEMISTRY. Prerequisite, Pharmaceutical Chemistry 161-162-163 or equivalent.

A continuation of Pharmaceutical Chemistry 161-162-163 with special emphasis on and problems dealing with the more complex medicinal plant products. Reading and discussions of the recent advances in this line of work. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 15 quarter-hours. Professor Burlage.

290-291-292. RESEARCH IN PHARMACEUTICAL CHEMISTRY AND MEDICINAL PLANT PRODUCTS.

Statements regarding Materia Medica 291-292-293 apply to this course. *One lecture and nine laboratory hours a week, fall, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 16½ quarter-hours. Professors Burlage, Jacobs.

Pharmacy

1. HISTORY OF PHARMACY.

A course designed to develop the historical background of pharmacy. Reports necessitating the use of the library and the preparation of bibliographies on the important figures and historical developments in the profession of pharmacy will be required. *Two hours a week, fall quarter.* Value, 2 quarter-hours. Professor Burlage.

10. PHARMACEUTICAL MATHEMATICS.

It is the purpose of this course so to relate arithmetic and mathematics to pharmacy as to make certain that students can solve correctly the scientific problems met with in dispensing as well as the merchandising calculations that arise in drug store practice. Textbook: Sturmer's *Pharmaceutical Arithmetic. Three hours a week, fall quarter.* Value, 3 quarter-hours. Professor Beard.

11. PHARMACEUTICAL TECHNIQUE.

Lectures deal with the theory and practice of pharmacy. The laboratory acquaints the student with the fundamental manipulations involved. Textbooks: Caspari-Kelly's *Treatise on Pharmacy; United States Pharmacopoeia; National Formulary. One lecture and two laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Value, 2 quarter-hours. Professor Burlage and Assistants.

12. PHARMACEUTICAL TECHNIQUE.

A continuation of Pharmacy 11, this course deals with the more advanced theories and manipulations of pharmacy. Textbooks: Caspari-Kelly's *Treatise on Pharmacy; United States Pharmacopoeia; National Formulary. One lecture and four laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Value, 3 quarter-hours. Professor Burlage and Assistants.

13. PHARMACEUTICAL LATIN.

A certain modicum of Latin is absolutely essential to the understanding of pharmaceutical terminology and to the proper handling of prescriptions, It is the purpose of this course to provide exactly that modicum. Textbook: Howe and Beard's *Latin for Pharmacists. Three hours a week, spring quarter.* Value, 3 quarter-hours. Professor Beard.

21. GALENICAL PHARMACY. Prerequisite, Pharmacy 10, 11, 12.

The official galenicals are studied in the lectures. The laboratory work consists of the preparation of the more important types of official preparations. Textbooks: *United States Pharmacopoeia; National Formulary. Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Value, 5 quarter-hours. Professor Burlage and Assistants.

23. INORGANIC PHARMACY. Prerequisite, Pharmacy 21 and Chemistry 31.

The official inorganic compounds and their use in official preparations are studied in detail. The laboratory work deals with the more important com-

pounds and preparations involving chemical reactions. Textbooks: Rogers' *Inorganic Pharmaceutical Chemistry; United States Pharmacopoeia; National Formulary. Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $7.50.* Value, 5 quarter-hours. Professor Burlage and Assistants.

81-82. MANUFACTURING PHARMACY. Prerequisite, Pharmacy 23.

The study and manufacture of the more commonly used and complex pharmaceuticals, toiletries, etc. *One lecture and four laboratory hours a week, spring and winter or winter and spring quarters. Laborotory fee, $10.00 a quarter.* Value, 6 quarter-hours. Professor Burlage.

83. ORGANIC PHARMACY AND NEW AND NON-OFFICIAL REMEDIES. Prerequisite, Pharmaceutical Chemistry 62; Corequisite, Pharmaceutical Chemistry 63 or equivalent.

A lecture course designed to familiarize the student with the official organic compounds; the more important compounds and preparations recognized in *New and Non-official Remedies*, published by the American Medical Association, are studied. Textbooks: *United States Pharmacopoeia, National Formulary, New and Non-official Remedies. Five hours a week, spring quarter.* Value, 5 quarter-hours. Professor Burlage.

90. PARASITICIDES.

A course intended to supply information concerning the uses and methods of application of plant materials and chemicals used as insecticides, fungicides, parasiticides, and rodenticides. *Three hours a week, fall quarter.* Value, 3 quarter-hours. Professor Rose.

91-92. DISPENSING. Prerequisite. Pharmacy 23.

A study of the compounding and dispensing of prescriptions. Practice is required in preparing capsules, pills, powders, ointments, etc. until work is satisfactory. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $7.50 a quarter.* Value, 10 quarter-hours. Professor Rose.

93. DISPENSING. (INCOMPATIBILITIES). Prerequisite, Pharmacy 91-92.

The various types of incompatibilities occurring in the compounding of prescriptions are considered and a study made of methods to prevent or render them most acceptable. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Value, 3 quarter-hours. Professor Rose.

96-97. COMMERCIAL PHARMACY.

A practical consideration of retail store management and its problems. Executive control, organization, lay-out, merchandising, store policy, personnel, and other phases, including pharmaceutical jurisprudence, are dwelt upon. *Three hours a week, winter and spring quarters.* Value, 6 quarter-hours. Professor Rose.

99. THEORETICAL PHARMACY. Prerequisite, Pharmacy 83.

A course for seniors that is intended to bring together salient subject matter from materia medica, pharmaceutical chemistry, and pharmacy in order that highly important drugs may be studied from every angle. *Lectures and recitations, five hours a week, spring quarter.* Value, 5 quarter-hours. Professor Beard.

141. ADVANCED DISPENSING. Prerequisite, Pharmacy 91-92, 93.

Investigating problems connected with the compounding and dispensing of prescriptions. *One lecture and eight laboratory hours, any quarter. Laboratory fee, $10.00.* Value, 5 quarter-hours. Professor Burlage.

144-145-146. ADVANCED MANUFACTURING PHARMACY. Prerequisite, Pharmacy 81-82 and Pharmaceutical Chemistry 71.

A continuation of Pharmacy 81-82 emphasizing the manufacture and production of volatile oils and aromatic synthetics and their use in perfumes, flavoring extracts, and essences. Toilet preparations and cosmetics also are studied. *Two lecture and six laboratory hours a week, fall, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 15 quarter-hours. Professor Burlage.

191. STUDIES OF U. S. P. AND N. F. PREPARATIONS AND ASSAYS. Critical studies of Pharmacopoeial and National Formulary preparations and official assays. *One lecture and four laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Value, 3 quarter-hours. Members of the Staff.

192-193. STUDIES OF U. S. P. AND N. F. PREPARATIONS AND ASSAYS. Prerequisite, Pharmacy 191.

A continuation of Pharmacy 191. *One lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 6 quarter-hours. Members of the Staff.

251-252-253. SEMINAR.

Required of all graduate students. Reports and discussions relating to recent advances in all branches of pharmacy and related sciences. *One hour a week, fall, winter, and spring quarters.* Value, 3 quarter-hours. Members of the Staff.

290-291-292. RESEARCH IN PHARMACY.

Statements regarding Materia Medica 291-292-293 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Value, 16½ quarter-hours. Professor Burlage.

Description of courses in the pharmacy curricula taught in other departments will be found on the following pages:

Bacteriology, 238.
Botany, 82.
Chemistry, 84.
Economics and Commerce, 93.
English, 108.
French, 145.
German, 120.
Mathematics, 132.
Pathology, 239.
Physics, 140.
Zoölogy, 156.

Drug Store Experience

The North Carolina Board of Pharmacy requires of candidates for license to practise pharmacy evidence of not less than forty-eight months of practical drug store experience. However, it allows the work done in the pharmaceutical laboratories to count in lieu of drug store experience, such credit to be limited to twenty-four months. Up to this limit the college work counts month for month.

PRIZES AND SCHOLARSHIPS

LEHN AND FINK GOLD MEDAL. This medal is given annually by Lehn and Fink of New York City for excellence in research work.

RICHARDSON SCHOLARSHIPS. Three scholarships of $85.00 each for tuition have been established by Messrs. H. S. and L. Richardson, of Greensboro. These scholarships are awarded to members of the first, second, and third year classes for excellence in scholarship.

COUNCIL SCHOLARSHIP. This scholarship, amounting to $85.00 a year for tuition, is awarded by Mr. C. T. Council, of Durham, to a deserving student selected by the Dean of the School of Pharmacy and the donor.

SCOTT DRUG COMPANY SCHOLARSHIP. This scholarship, amounting to $85.00 a year for tuition, is awarded by the Scott Drug Company, of Charlotte, to a meritorious, self-help student.

SPECIAL SCHOLARSHIPS. The following scholarships, each having a value of $85.00, were awarded for the year 1931-32 as a means of offering temporary aid to deserving pharmacy students.

WARREN W. HORNE SCHOLARSHIP.

HENRY T. HICKS SCHOLARSHIP.

W. H. KING DRUG COMPANY SCHOLARSHIP

JUSTICE DRUG COMPANY SCHOLARSHIP.

FAIRCHILD SCHOLARSHIP. Mr. Samuel W. Fairchild, of New York City, offers annually a competitive scholarship amounting to $500.00 in cash to the high school graduates of the United States who wish to follow pharmacy as a vocation. This scholarship will be awarded on the basis of a competitive examination given to candidates who are high school graduates and who have successfully finished at least three years' work in a school or college of pharmacy which is a member of the American Association of Colleges of Pharmacy. Each school, college, or department of pharmacy will be allowed and be limited to two candidates. Application for further information concerning this prize should be made to the Dean of the School of Pharmacy.

THE UNIVERSITY OF NORTH CAROLINA BRANCH OF THE AMERICAN PHARMACEUTICAL ASSOCIATION

The University of North Carolina Branch of the American Pharmaceutical Association was organized in the fall of 1922 in response to the need of the students for a local society devoted to the scientific and ethical development of pharmacy as a profession.

RHO CHI HONORARY SOCIETY

The Xi Chapter of Rho Chi, national honorary pharmaceutical society, was established at the University of North Carolina in 1929. Charters for chapters of this organization are granted only to groups in colleges that are members in good standing of the American Association of Colleges of Pharmacy. Eligibility for membership in the Society is based on high attainment in scholarship, character, personality, and leadership. All candidates selected for membership must have completed 75 credit hours of college work, and they must be approved by the Dean of the College of Pharmacy.

THE SCHOOL OF LIBRARY SCIENCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
*LOUIS ROUND WILSON, Ph.D., *Director of the School of Library Science and University Librarian.*

**THE ADMINISTRATIVE BOARD

†EDGAR WALLACE KNIGHT, Ph.D.
GUSTAVE ADOLPHUS HARRER, Ph.D.
GEORGE COFFIN TAYLOR, Ph.D.
DONALD CONEY, A.M. in L.S.
ROBERT BINGHAM DOWNS, M.S.
SUSAN GREY AKERS, A.B.
NORA BEUST, A.M.

SPECIAL STAFF

*LOUIS ROUND WILSON, Ph.D., *Director of the School and Kenan Professor of Library Science.*
DONALD CONEY, A.M. in L.S., *Assistant Director and Professor of Library Science.*
ROBERT BINGHAM DOWNS, M.S., *Assistant Librarian and associate Professor of Library Science.*
SUSAN GREY AKERS, A.B., *Associate Professor of Library Science.*
NORA BEUST, A.M., *Assistant Professor of Library Science.*

GENERAL STATEMENT

The School of Library Science opened in September, 1931, as a unit of the University of North Carolina. Made possible by a grant from the Carnegie Corporation, it is the culmination of a series of library science courses offered in the summer and regular terms since 1904.

The curricula of the school offer a basic course preparing the student for general library work. Three curricula are offered, permitting the student to specialize in preparation for work in one of three fields: elementary and high school libraries, city and county public libraries, and college and university libraries.

Quarters for the school, comprising laboratory and classrooms for the students and offices for the faculty, are on the third floor of the University library, whose new building was occupied July, 1929. For a description of the University library facilities see page 32.

*Resigned, January 1932.
** The President, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
†Absent on leave, winter and spring quarters 1932.

The town school system maintains a school library and public children's library available for observation. Within driving distance of from thirty minutes to two hours are the city and county library system of Durham, the libraries of Duke University and its Woman's College, the State Library and the Library Commission headquarters at Raleigh, the public library and the libraries of North Carolina College for Women at Greensboro, and the school library systems of Winston-Salem and High Point.

REQUIREMENTS AND RECOMMENDATIONS FOR ADMISSION

The principal requirement for admission is a bachelor's degree from an accredited college or university.

A reading knowledge of French and German is essential to satisfactory work in college and university libraries and very desirable in other types of libraries. It is strongly urged, therefore, that applicants acquire such a reading knowledge before admission to the school.

Students must have reasonable ability in typewriting for admission to the school.

Those over thirty-five years of age are advised not to apply for admission to the school unless they have been continuously engaged in library work or some similar pursuit.

Because of the special nature of many phases of library work, it is recommended that before beginning the course, applicants familiarize themselves with library routine and terms, either through practice in a nearby library or by reading.

Applicants must show evidence of ability to do library work and must have had a well-balanced selection of courses leading to the required bachelor's degree.

It is recommended that applicants interview a member of the faculty of the school before admission.

Amount of equipment and size of faculty necessarily limit the enrollment. The class will be chosen on a basis of individual promise of success and previous high scholarship standing.

RECOMMENDED COURSES PREPARATORY TO LIBRARY WORK

It is recommended that intending students include in their curriculum toward a bachelor's degree the following minimum of college work: French and German to the extent of at least one year of college grade work based upon two years of high school work or the equivalent elementary courses in college; Latin and Greek, especially useful to those intending to be catalogers; survey courses in English and American literature; a well-rounded choice of courses in history, including general European history as well as English and American; a laboratory science, preferably biology; and a general introductory course in economics.

In addition to this general recommendation, the following special courses are advised for those looking toward work in particular libraries. School library group: courses in education, sociology, educational psychology, and political science. Public library and college library groups: courses in psychology, sociology, and political science.

TIME OF ENTRANCE

Applicants should plan their entrance into the school at the beginning of the fall quarter. Many courses have prerequisites which cannot be taken unless the curriculum is begun at this time. In special cases, however, at the discretion of the director, students may be admitted at the beginning of either of the later quarters, provided the maximum enrollment has not been reached.

ELECTIVES FOR STUDENTS IN OTHER SCHOOLS

Certain courses are open to seniors in the schools of Commerce and Education and the College of Liberal Arts. They are listed under Department of Library Science in Part Three of this catalogue.

DEGREE

On the completion of a curriculum or its equivalent in the School of Library Science, the student will be granted the degree of Bachelor of Arts in Library Science by the University.

COURSE AND RESIDENCE REQUIREMENTS, AND ADVANCED STANDING

Nine courses must be satisfactorily completed in the University of North Carolina for a degree in Library Science. Students who are admitted with advanced standing in library science must complete an equivalent number of courses in the school or another branch of the University.

The residence requirement for a degree is three academic quarters. This requirement must be completed within five years.

SUMMER SESSION

Any courses as prescribed in the one year curricula, which are given in the Summer Session, may be taken with credit toward the degree. Such courses are described in the announcement of the Summer School.

PLACEMENT BUREAU

The School of Library Science does not undertake to find positions for its graduates. It does, however, maintain, in coöperation with the other University bureaus, a placement bureau which endeavors to bring together its graduates and those who wish to employ library workers.

CURRICULA

School and Public Library Groups:

Fall	*Winter*	*Spring*
101 Cataloging	102 Cataloging	123 Book Selection
111 Reference	122 Book Selection	131 Trade Bibliography
121 Book Selection	141 Administration	132 Functions and Use
133 Introduction		One elective course

College Library Group:

Fall	*Winter*	*Spring*
101 Cataloging	102 Cataloging	131 Trade Bibliography
111 Reference	112 Reference	2½ elective courses
121 Book Selection	141 Administration	
133 Introduction		

APPLICATION FOR ADMISSION

Application for admission to the school should be made on forms which are secured from the Assistant Director, School of Library Science, The University of North Carolina, Chapel Hill, N. C.

SPECIAL CATALOGUE

Detailed information is given in a special catalogue of the school of Library Science. For expenses see pages 44-48.

REQUIRED COURSES

101. CATALOGING AND CLASSIFICATION—INTRODUCTION. Credit: 1 course.

This course is planned to give students the theoretical side of cataloging and classification with reference to libraries of different types, sizes, and clienteles. Its objective is to study the problems involved in decisions regarding: (1) the kinds and forms of public and official catalogs; (2) classification systems, the division of subjects, and the classifying of printed material; (3) subject headings; (4) the arrangement of books on the shelves, and of cards in the catalog; (5) bibliographical detail, including, e.g., forms of names and the use of Library of Congress printed cards and locally made catalog cards; (6) the catalog department's relation to the other departments of the library; (7) the organization and administration of the work of the department, including estimates on the cost of cataloging; and (8) the securing, organizing, and training of the staff of the department. The work will be carried on through lectures, class discussion, problems, projects, reading, individual and group conferences. *Five hours a week, fall quarter.* Professor Akers.

102. CATALOGING AND CLASSIFICATION—SPECIALIZED. Credit: 1 course.

This is a continuation of course 101 and deals with the actual cataloging and classification of books for libraries of differing sizes, types, and clienteles. The objectives are: (1) to teach the student to classify and assign subject headings, using the classification system and sources for subject headings best adapted to the needs of his chosen community; (2) to teach the student to make and maintain a catalog and other essential cataloging records for a given community; and (3) to teach the student (a) the distinction between professional and clerical duties, (b) the character traits needful for success, (c) the necessary attention to essential detail, and (d) methods of work, in order to facilitate his transition

from the work of the classroom to that of the library. The school, public, and college students will meet as one class and will have their laboratory work together, but each student will work with books suitable for his chosen clientele. The work will be carried on through class discussion, case-method, problems, projects, laboratory work, individual and group conferences. *Five class and five hours of supervized study a week, winter quarter.* Professor Akers.

111. REFERENCE AND BIBLIOGRAPHY. Credit: 1 course.

This course aims thoroughly to familiarize students with basic bibliographical and reference works. There are problems, class discussions, and lectures on dictionaries, encyclopedias, periodical indexes, biographical dictionaries, government documents, and the most frequently used reference books on special subjects. Mudge, *Guide to Reference Books*, 1929, is used as a text. *Five hours a week, fall quarter.* Professor Downs.

112. REFERENCE AND BIBLIOGRAPHY—ADVANCED. Credit: 1 course.

This course is concerned with the methods and materials of bibliographical and reference work, with particular application to the college and university library. The content and use of the more important reference books in special subjects are studied, as well as unusual and obscure sources of information in various fields. Emphasis throughout is placed on good reference technique. There are class discussions, lectures, and problems. *Five hours a week, winter quarter.* Professor Downs.

121. PRINCIPLES OF BOOK SELECTION. Credit: 1 course.

The object of this course is to cultivate the ability to select the literature best adapted to the varying needs of the adult reader in different types of libraries through a study of the underlying principles and practices of approved methods. The work consists of reading, examining, and reviewing selected books from classes, such as literature, history, science, fiction, etc.; a critical study of the principal aids to book selections as tools for practical use in the library; the compiling of selected lists; practice in the writing of book notes; the checking of current book lists; discussion of American publishers; and study of editions. Lectures and discussion groups. *Five hours a week, fall quarter.* Professor Beust.

122. BOOK SELECTION FOR CHILDREN'S LIBRARIES. Credit: 1 course.

In general, the aim of the course is to acquaint the students with children's reading in order that they may understand the varying appeals that books make to children and thus learn to select books with consideration for the different age groups and differing backgrounds of children. The importance of literature made by children, children's literary tradition, classics, modern and traditional fairy tales, poetry, nursery rhymes, fables and beast tales, myths, epics and sagas, romances, ballads, subject-matter books, illustrated books, books for story-telling, and the history of children's literature are indicated. Practice in the writing of book notes, oral reports, discussions, and lectures. *Five hours a week, winter quarter.* Professor Beust.

123. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. Credit: 1 course.

A survey of adolescent literature and a study of the reading interests of the adolescent, particularly during the high school years. A critical study of standard and classic books for the adolescent, and of reference books for this age group. Criteria for selecting books for adolescents with various reading backgrounds. *Five hours a week, spring quarter.* Professor Beust.

131. TRADE AND NATIONAL BIBLIOGRAPHY, AND ORDER WORK. Credit: ½ course.

An examination of national bibliography with particular attention to that of the United States and England; bibliography of the book trade as related to order work, including second-hand dealers and auction sales; the principal routines of order work, emphasizing the fundamental elements of the order process

rather than detailed routine. Special assignments and problems emphasize school, public, or college library work. Assigned readings and lectures. *Three hours a week, spring quarter.* Professor Coney.

132. FUNCTIONS AND USE OF LIBRARIES. Credit: ½ course.

This course consists of two parts: I. the functions of public, school, and college libraries, and II. teaching the use of books and libraries. Part I has as its objectives to study the problems involved in determining: (1) the function of the library in the modern school and college and the relation of the librarian to teachers and pupils; (2) the function of the public library (city or county) and its relation to the community, including the school system. Part II has as its objective to study the problems involved in decisions regarding: (1) the aims of the course in the use of books and libraries; (2) the scope; and (3) the best methods of presentation. The work will be given through lectures, class discussion, problems, and reading. This course may be elected by the college group. *Three hours a week, spring quarter.* Professor Akers.

133. INTRODUCTION TO LIBRARY WORK.

A series of informal lectures given during the fall quarter will attempt to present the profession of library work to the beginner. During the year demonstrations of library methods and systems through inspection tours, lectures, and exhibits will be offered. This course, for which no credit is given, is required of all students except those admitted to advanced standing who are especially excused. *Throughout the year.* Professor Coney and other lecturers.

141. ADMINISTRATION OF LIBRARIES. Credit: 1 course.

A study of the elements of library organization and administration and the variations necessary to special types of service, as in school, public, and college libraries; the inter-relation of work as exemplified by the departments of a large library; personnel, equipment, and buildings; general book-buying policy. Special problems, discussions, and lectures. *Five hours a week, winter quarter.* Professor Coney.

ELECTIVES

151. HISTORY OF BOOKS AND LIBRARIES. Credit: 1 course.

A survey of the care of books to the present: ancient and medieval libraries; modern library systems, with emphasis on those in England and the United States; important library personalities. The development of written records from prehistoric times to the present day: the forerunners of modern books; the manuscript book; Oriental and European printing; book publishing; bookbinding, collectors, etc. Lectures and discussions illustrated with lantern slides and material from the collection of the Hanes Foundation for the Study of the Origin and Development of the Book. Problems, assigned readings, and papers. *Five hours a week, spring quarter.* Professor Coney.

153. LIBRARY WORK WITH CHILDREN. Credit: ½ course.

The aim of this course is to present the organization, administration, and equipment of a children's library. Special attention to problems of book buying and the relation of the children's library to other educational institutions. *Three hours a week, spring quarter.* Professor Beust.

154. THE LIBRARY MOVEMENT IN THE SOUTH. Credit: ½ course.

Development of libraries in the Southern states during the past twenty-five years; the relation of libraries to the educational system; the part played by educational foundations and associations; the present library situation and future needs. *Three hours a week, spring quarter.* Professor Wilson.

155. INDEXING AND CARE OF SPECIAL MATERIAL. Credit: ½ course.

The course has as its objectives the teaching of the principles of book and periodical indexing, and the study of problems involved in indexing, arranging, and caring for non-book material, e.g., picture, map, and slide collections; correspondence; and vertical file material. The work will be given through lectures,

class discussion, and problems. *Three hours a week, spring quarter.* Professor Akers.

191. SPECIAL PROBLEMS.
This course is designed to permit students admitted to advanced standing and with a mature outlook to engage in some problem of investigation associated with library work. Credit to be determined on assignment of work. *Throughout the year on application.* Members of the Staff.

ELECTIVES FROM OTHER DEPARTMENTS

EDUCATION 103. ELEMENTS OF STATISTICAL METHODS. Prerequisite, Education 31 or Psychology 21-22. Credit: 1 course.
Five hours a week, winter quarter. Professor ————.

EDUCATION 160. CURRICULUM CONSTRUCTION. Credit: 1 course.
Five hours a week, alternate spring quarters. Professor Marks.

ENGLISH 163. LITERARY CRITICISM. Credit: 1 course.
Five hours a week, spring quarter. Professor Bond.

ENGLISH 331. SEMINAR: BIBLIOGRAPHY. Credit: 1 course.
Five hours a week, winter quarter. Professor Paine.

HISTORY 201ab. HISTORIOGRAPHY. Credit: ½ course each quarter.
Three hours a week, fall and winter quarters. Professor Caldwell.

SOCIOLOGY 53. STATISTICS. Credit: 1 course.
Five hours a week, winter quarter. Professor Woofter.

SOCIOLOGY 209. SOUTHERN REGIONAL SOCIAL PROBLEMS. Credit: 1 course.
Five hours a week, winter quarter. Professor Odum.

PART SIX

COMMENCEMENT
CATALOGUE OF STUDENTS
INDEX

ONE HUNDRED AND THIRTY-SIXTH COMMENCEMENT
1931

Saturday, June 6th, Class Day

SENIOR PRAYERS
MEETING OF THE BOARD OF TRUSTEES
CLASS EXERCISES OF THE GRADUATING CLASS
RECEPTION TO THE GRADUATING CLASS

Sunday, June 7th, Baccalaureate Sunday

BACCALAUREATE SERMON, Rev. E. McNeill Poteat, Jr.
BAND CONCERT
VESPER SERVICES—Y. M. C. A. SERMON

Monday, June 8th, Alumni Day

ANNUAL MEETING OF THE ALUMNI
ALUMNI LUNCHEON
BAND CONCERT
PRESIDENT'S RECEPTION
ALUMNI BALL

Tuesday, June 9th, Commencement Day

COMMENCEMENT ADDRESS, Claude G. Bowers
PRESENTATION OF DIPLOMAS BY
His Excellency, Oliver Max Gardner

DEGREES IN COURSE

Bachelors of Arts

Robert Mayne Albright, Jr.
David Leonard Avner
Alice Caroline Ballenger
Thomas Hays Barker, Jr.
John Coleman Beakley
Clay Covington Bell
Hazel Judith Lee Bowers
Thomas Contee Bowie, Jr.
William Thomas Braswell, Jr.
Alexander MacLeod Brown
Ruby Delight Buck
William James Chandler
Kent Creuser
Stanley Ellis Crew
Ida Withers Currie
John Alexander Currie
William Gordon Dike
Virginia Adams Douglas
Charles Chapman Duffy
Clyde Mason Duncan
Mary Evelyn Duncan
William Dunn, Jr.
William Clyde Dunn
Joe Colin Eagles
Roscoe Brown Fisher
Harry Marion Gilbert
Matthew Pollock Gilmour
John David Glenn
Marjorie Good
Noah Goodridge
John Cameron Grainger
Elizabeth Fuller Green
John Walter Charles Grotyohann
June Uriah Gunter, Jr.
John Madison Harrington
Charlotte Clinard Hayes
Egbert Lynch Haywood
Herbert Hechenbleikner
Peter Henderson, Jr.
Matthew George Henry
Robert Mitchell Hodges
Haywood Dail Holderness
William Beekman Huger
William Lanier Hunt
Lillie Williams Jackson
Augustus Henry Jarratt, Jr.
Archibald Douglas Kincaid, Jr.
Kate Parks Kitchin
Pedro Pablo Kjellesvig
Mebane Thomas Lea
Julius Dodd Linker
James Millard Little, Jr.
Lawrence Foushee London
Ollen D. McLeod
Isaac Hall Manning, Jr.
Arthur Robert Marpet
Alan Ashworth Marshall
Otho Ralph Drummond Massey
William Hampton Maxwell
William Daniel Merritt, Jr.
Stephen Henry Millender
Jesse Benton Mills
George Dougald Moody, Jr.
Beverly Cooper Moore
Reeme Moore
Garrett Morehead
Roscoe Howard Morgan
Mary Wadley Morris
William Benjamin Napier
Edgar Adams Neely, Jr.
*Henry Grady Owens
Daniel Jack Pachman
Edgar Cooper Person, Jr.
James Gregory Poole
Mary Watkins Price
Robert Huntington Proctor, Jr.
Kerr Craige Ramsay
Joseph King Ray
Albert Moore Rhett
Paul Heilig Rhodes
Oren Ernest Roberts
Chauncey Lake Royster
Peter Browne Ruffin
Emil Nathaniel Shaffner
William Arthur Shulenberger, Jr.
Wilfred Nixon Sisk
Joseph Carlyle Sitterson
William Boylan Snow, Jr.
Frank Parker Spruill, Jr.
William Agurs Starbuck
Robert Edwards Stone
George Richard Sulkin
Marion Bruce Thomas
William Sydnor Thomson
Mariaddie Turner
Virginia Robinson Turner
Frank Leslie Walston
John McCullen Warren
Henry Bond Webb
Charles Watson Wharton
Catherine Thomas Wilds
Morris Wolf
Edward Jenner Wood
William Henry Yarborough, Jr.
Edgar Dawson Yeomans

* As of 1928.

Bachelors of Arts in Education

Joseph MacDonald Alden
Clifford Randall Baucom
David James Beam, Jr.
John S. Bivens
William Bryant Carr
Daniel Weamer Carter
John Woltz Comer
Elsa Snowden Craig
Frank Lathan Crane
Claude Jackson Craven
Colbert Frederick Crutchfield
Inez Sparrow Dudley
James Bankerd Fisher
Thomas Jacob Forney
Glenn David Freeman
Hermon Conley Gaddy
Edna Elizabeth Garlick
Eugene Larry Gaskill
Kate Chestney Graham
Elizabeth McMillan Grant
William Aubrey Gurganus
Edward Ryan Hamer
Clyde Lee Hawkins
Ethel Pauline Hood
Patty Matthews Jordan
George Martin Koehl
Helen Frances Lance
Jesse Boone McArthur
*Calvin Sturgis McLaughlin, Jr.
Edith Hooper Mangum
Florence Lorraine Phillips
Ellis Melvin Pickard
Millard Quentin Plumblee
William Hollister Potter
Oliver McNeil Proffit
James Clayton Purser
Clyde Morris Roberts
Abraham Rosenblatt
Sarah Elizabeth Rushing
Wallace Augustus Shelton
Budd Elmon Smith
Benjamin Hawkins Smith, Jr.
Robert Glenn Stovall
Albert Irving Suskin
William Edmund Tingle
Laurence Houston Todd
Margaret Louise Troutman
Ruth Underwood
William Rae Wall
John Seabron Weathers
Roy Gilbert Whitaker
William Ransom Whittenton
Ruth Ellen Williams
Mary Laurens Withers
Sylvia Wolk
Donald Leigh Wood
Francis Vincent Zappa

Bachelors of Science in Chemistry

Allen Leander Alexander
Thomas Basil Douglas
Ralph Howard Munch
Henry Carrison Thomas
Robert Lemuel Poplin
Ernest Hughes Wyche

Bachelors of Science in Geology

Wade Hampton Hadley, Jr.
Albert Rother Monroe
Erwin Ralph Scott

Bachelors of Science in Medicine

Louis Appel
Landis Gold Brown
Haskell Wright Fox
Ralph Bernard Garrison
Robert Mitchell Oliver, Jr.
Barney Lelan Woodard

Bachelors of Science in Pharmacy

David Wilkinson Bell, Jr.
Kelly William Huss

Bachelors of Science in Chemical Engineering

Howard Fentress Chrisco
Adam Fisher, Jr.
George Harold McCormick
Charles Beatty Overman
Raymond John Ruble

* As of 1930.

Bachelors of Science in Civil Engineering

John Leonard Brown, Jr.
Norman Luther Bryan, Jr.
Marion Rountree Cowper
Canfield Smith Dickie
Jerry Whitsett Doughtie
Charles Perry Erickson
Hugh Tate Ervin
Paul Lestrade Gilbert
Benjamin Benson Lane, Jr.
Edwin Godwin Long, Jr.
Richard Henry Moore
James Lloyd Norris
George Joseph Quinn, Jr.
Arthur Eugene Reynolds, Jr.
Thomas Moore Riddick
John Golden Wadsworth

Bachelors of Science in Electrical Engineering

James Thomas Boysworth
Walter Scott Crawford, Jr.
Edgar Lee Davis
Charles Patton Hayes
Elmer George Hoefer, Jr.
Giles Foushee Horney
Robert Edmund Hubbard
Pinkney Greer Johnson, Jr.
William Primrose McPherson
Ashby Coleman Robertson
George Dewey Thompson
Robert Vance Whitener

Bachelors of Science in Mechanical Engineering

Jesse Strickland Newsom
Robert Aubrey Parsley, Jr.
Robert Cronly Plummer

Bachelors of Science in Commerce

Liller May Antley
John Bulla Ashcraft
George Lewis Bagby
George Patterson Bourdelat
William Levi Burke, Jr.
Milton Cohen
Williams Cooper
Burnice Leon Credle
Ralph Watson Davis
Joseph Goodson Faulkner
Fred Jaynes Ferguson
James Samuel Gorham, Jr.
James Melvin Graham
Robert Hanscome
Willis Irwin Henderson
Eugene Griffin Hines
Herman Webb Hopper
Paul Addison Hunt
John Robert Ingram, Jr.
John Snow Jemison, Jr.
Henry Haynes Jenkins
Thurman R. D. Karriker
Benjamin Burks Kendrick
Worth Leroy Kiser
Wallace Hamilton Kuralt
William Samuel Linsay
Herman Stroupe Merrell
Fred Howard Joyner Moore
William Walter Moore
Alfred Alexander Mount
Edmund Strudwick Nash, Jr.
George Franklin Newman, Jr.
Walter Festus Owen
Milton P. Park
James Franklin Parrott, Jr.
John Aaron Prevost
Whitener Harris Prevost
Sidney William Sayre
William Aaron Sherrill
Arthur deLoss Sickles
Byron Augustus Seider
John Gary Slater
James Kenneth Smith
Philip Sowers
Luther Corwin Steward, Jr.
William Archie Sugg
William Shields Tabb
William Cannon Thompson
Alston Stoddard Watkins
Robert Festus Welch
Eugene Ernest Wells
Charles Hasford White, Jr.
James Cullen Wood

Doctors of Law

James Harmon Chadbourn
Wex Smathers Malone
Charles Staples Mangum, Jr.
Henry Bryce Parker
Thomas Carlisle Smith, Jr.

Bachelors of Laws

Peyton Bryant Abbott
Mills Scott Benton
Walter Moore Bryson
Rodolph Duffy
James Glenn Edwards
Seon Felshin
Earle Ambrose Humphrey
William Sumner Jenkins
Martin Kellog, Jr.
James Birney Linn
Forrest Alfred Pollard
Claude Everette Reitzel, Jr.
Henry Roane
James Allen Williams

Graduates in Pharmacy

Lexie Glenn Barefoot
Charles David Beddingfield
Robert B. Bolton
Bonnie Curlee Brown
Edward Purnell Cahoon
Clarence Lee Clodfelter
Ray Palmer Craig
Bedford Broiser Forrest
Thomas Wilson Gordon
Robert Glenn Kale
Leland Frederick Parrish
Lewis Edward Scoggin, Jr.
Phillip Langston Thomas
Oscar Logan Umstead
John Alton Weaver

Masters of Science

Robert Herschel Belcher
Adolphus Mitchell
Harry Butler Mulkey
John Baptist Pittana
Thomas Wilmer Richmond
Raymond Franklin Stainback
Elizabeth Phillips Stevens

Masters of Arts

Claude Herbert Aderholt
Homer Reid Baker
Martha Bell
Henry Nicholas Brown III
Olin Wyse Bundrick
Elizabeth Caldwell
Hardy Abram Carroll
Olivia Hart Chamberlain
John Morgan Cheek
Ralph Stokes Collins
Floyd Milton Cox
Helen Jameson Crossen
Bernice Spear Darden
Maxcy Robson Dickson
Flavel Scott Elliott
William McKinley Grubbs
Lelia Hampton
Albert Miller Hillhouse
James Howell
John Albert Lang
Virginia May Love
Eunice Stacy MacKay
Charles Alexander Maddry
Donald Fraser Martin, Jr.
Andrew Clark Mathews
Charles Cleveland Neal, Jr.
Dorothy Phillips Neal
Ruth Hazel Pearson
William Olin Puckett
Howard Holmes Simpson
Stanley Scott Stevens
Carrie May Stockton
George Floyd Taylor
Mary Lucile Vest
Mitchell Preston Wells
Lyle Lyndon Williams
Ina Vivian Young
Henry Hermann zurBurg

Doctors of Philosophy

Grady George Albritton, Chemistry

Thesis: A Comparison of the Behavior of the Tartrate and Oxalate Solutions of Columbium and Tantalum Oxides.

Abram Gustavus Bayroff, Psychology

Thesis: The Effect of Varying and Stable Environments on Behavior in the Direction Test Box.

Ralph Milledge Byrd, Chemistry

Thesis: A Study of the Soda-alum System and a Volumetric Method for Determining Sodium.

Philip Macon Cheek, Classics

Thesis: Virgil's Treatment of the Templum in the Aeneid.

Samuel Melanchthon Derrick, Rural Social-Economics

Thesis: Economic History of the South Carolina Railroad.

William Darby Glenn, Jr., Psychology

Thesis: The Fehlers, A Social and Psychometric Study of a Cacogenic Family.

Ausker Edward Hughes, Chemistry

Thesis: The Action of Sulphur Dioxide on the Phosphates of Calcium.

Ruth Lindquist, Sociology

Thesis: The Family in the Present Social Order.

Harvey Albert Ljung, Chemistry

Thesis: A System of Qualitative Analysis for the Anions.

John Paul McConnell, Sociology

Thesis: The After Prison Life of Released White Prisoners in North Carolina.

Kate deRosset Meares, Classics

Thesis: Literary Patronage in the Silver Age of Latin Literature.

James Ruey Patrick, Psychology

Thesis: The Effect of Emotional Excitement on Rational Behavior as Demonstrated by the Quadruple-Choice Method.

Arthur Franklin Raper, Sociology

Thesis: Two Rural Black Belt Counties.

Harry Kitsun Russell, English

Thesis: Certain Doctrines of Natural and Moral Philosophy as an Approach to the Study of Elizabethan Drama; with an Appendix Containing Illustrative Material from the Plays of Ben Jonson.

Jeptha P. Sanders, Chemistry

Thesis: The System: Lithium Sulphate-Aluminum Sulphate-Water and the Quantitative Determination of Sulphate, Aluminum, and Lithium.

Edward Pinckney Vandiver, Jr., English

Thesis: The Parasite in Elizabethan Drama.

HONORARY DEGREES

Doctor of Divinity

Marion Timothy Plyler

Doctors of Laws

Claude G. Bowers

Michael Hoke

DEGREES CONFERRED IN AUGUST, 1931

Bachelors of Arts

Thomas Hays Barker, Jr. (Music)
Mary Black Buie (Journalism)
Richard Arnzen Chace
Max Joseph Cohen
Vernon Baldwin Crook
John Harold Croom
Walter Alexander Daley
Georgia May Elgar
Everett Hews Ellingwood
Robert William Elliott
Ervid Eric Ericson
Joseph Philip Fox
George Edward French, Jr.
Nahum Friedman
Charles Arthur Glenn
Robert Marion Hardee
Kolbein Ludvig Kjellesvig
Adelaide Madison McAnally
Henkel Moser Price
Thomas Beatty Rector
Elise Williams Roberts
Wallace Bryan Scales, Jr.
Louis Morton Silverstein
Meade Homer Willis, Jr.

Bachelors of Arts in Education

Merritt Clarence Baker
Charles Lewis Barnhardt
Thomas Joel Bivens
Richard Joseph Caiola
Clarence Davis
Ruth Elizabeth Dillon
Roy Lane Forrester
Stanley Everett Green
Marie Elizabeth Hamrick
Fred Sample Hunter
William Ray Latham
Virginia Dabney Lumpkin
Haywood Ammoria McLawhorn
Janie Lillian Montieth
Claude Alexander Smith
Mark Felton Tinkham

Bachelor of Science in Medicine

Morris Dworin

Bachelors of Science in Civil Engineering

Felix Gladstone Doggett
George Tayloe Winston

Bachelors of Science in Electrical Engineering

John Daniel McConnell
David Anderson Nims

Bachelors of Science in Commerce

George Harold Roach
Andrew Tyer Sawyer
Hal Venable Worth, Jr.

Graduates in Pharmacy

William Wright Carroll
Loy Macon McCombs
Marie Rogers
Bernard Rudolph Ward

Bachelors of Laws

George Lough Cole
Howard Lester Lackey
Edward Scheidt

Masters of Science

Harry Gray Brainard
George Hoenshel Fleming, Jr.
John Perry Dosier
Boris Michael Siniavsky

Masters of Arts

Roby Washington Adams
Carolyn Rose Banner
Ira Wilson Barber, Jr.
Bahnson Neil Barnes
Ethel Irene Baugh
Ann Wishart Braddy
Clementine Bridges
Hope Marion Buck
Ruth Evelyn Byrd
Saylor Casper Cubbage
William Rodolph Curtis
Charles Alexander Denson
Jason Basil Deyton
Martha Elizabeth Edwards
Louise Aiken Egleston
Ethel Evangeline English
William Curtiss Ezell
Clyde Vestal Ferguson
Grace Genevieve Frasier
Carl Augustus Furr
Victoria Pauline Geiger
Margaret Ellen Hight
Connor Rankin Hutchison
Alna Lorie Kiser
Roger Martin McGirt
Charles Eugene McIntosh
Charles Stewart Maurice
John Horace Moore
Elford Chapman Morgan
Elizabeth Murphy
Elias Hiester Phillips
Edythe Irene Pool
Casa Elizabeth Reynolds
Robert Leo Rigley
Judge Buxton Robertson
Claire Paulk Sartain
Giovanni Sperandeo
Irving Joseph Stephenson
Orin Augustus Tuttle
James Otho Turner
Frank Wilkins Webster
Vernon Lane Wharton
William Alexander White
Lena Mae Williams
Flora Prevatte Wilson
Edwin Moses Yoder

Doctors of Philosophy

Joseph Leon Clark, Education
Thesis: Two Major Ills in Southern Farm Civilization.

Robertson Riley Hollingsworth, Education
Thesis: The Influence of Reconstruction on Education in Georgia.

Mary Watters, History
Thesis: The History of the Church in Venezuela, 1810-1930.

MEDALS, PRIZES, AND FELLOWSHIPS

The Eben Alexander Prize in Greek—Richard Arnzen Chace.

The Bryan Prize in Political Science—William Clyde Dunn.

The Graham Kenan Fellowship in Philosophy—Olivia Chamberlain. Milton H. Williams.

The Mildred Williams Buchanan Scholarship in Philosophy—Aaron Barr.

The Henderson Prize in Mathematics—Georgia May Elgar.

The Hill Law Review Prize—James Harmon Chadbourne.

The Smith Prizes for Research:
Languages and Literatures—William Richardson Abbot.
Science—Ausker Edward Hughes.
Social Sciences—Charles Baskerville Robson.

Delta Sigma Pi Key for Scholarship—John Gary Slater.

The Lehn and Fink Medal in Pharmacy—Kelly William Huss.

The Algernon Sidney Sullivan Awards—John Albert Lang. Jean Colvin McAlister. John Sprunt Hill.

The Chi Omega Prize in Social Science—Reeme Moore.

The Mary D. Wright Memorial Prize in Debate—Hamilton Harris Hobgood.

The Mangum Medal—Edward Ryan Hamer.

The Bingham Prize—William Egbert Uzzell.

Elected to *Phi Beta Kappa*, 1931: L. J. Felton, President; John Andrews, Vice-President; W. McR. Bell, J. S. Bivens, W. M. Bliss, W. L. Boynton, W. T. Braswell, Jr., C. J. Craven, O. W. H. Dresslar, M. P. Gilmour, B. B. Lane, Jr., D. C. McClure, Mary M. McLeod, Jule McMichael, F. J. Manheim, O. R. D. Massey, Reeme Moore, D. J. Pachman, P. H. Rhodes, C. B. Robson, R. H. Schnell, E. N. Shaffner, G. E. Shepard, J. C. Sitterson, B. H. Smith, A. J. Stahr, J. R. Strauss, H. H. Taylor, D. J. Thurston, Jr., C. D. Wardlaw, Jr., T. H. Watkins.

Elected to *Sigma Xi*, 1931: *Alumni:* E. J. Alexander, M. L. Braun; *Active:* A. G. Bayroff, R. M. Byrd, M. W. Conn, Ruth Hamill, A. E. Hughes, J. R. Patrick, J. P. Sanders; *Associate:* G. G. Albritton, A. E. Alexander, H. R. Baker, Ethel M. Chapin, C. J. Craven, H. L. Dillin, T. B. Douglas, G. H. Fleming, Jr., R. L. Garrett, W. T. Holland, C. S. Maurice, H. B. Mulkey, Martha E. Norburn, T. W. Richmond, B. E. Smith, H. C. Thomas, J. O. Turner, W. A. White, L. L. Williams.

Elected to the *Order of the Coif*, 1931: *Honorary:* Junius Parker; *Class Members:* J. H. Chadbourn, W. S. Malone, T. C. Smith, Jr.

THE CATALOGUE OF STUDENTS

The Graduate School, 1931-1932

(Note: No distinction is made in this list between admission to the Graduate School and admission to candidacy for a degree. When no institution is mentioned from which the degree was received, the University of North Carolina is understood. The letter, or letters, following the year indicates the specific quarter, or quarters, of that student in residence during the academic year of 1931-1932, f meaning fall quarter, w meaning winter quarter, and s meaning spring quarter.)

Adams, Clifford Rose ..... Jonesboro
A.B. in Educ., 1928, f — *Education*

Ahner, Florence Elizabeth ..... Brooklyn, N. Y.
A.B., Adelphi Col., 1929, fws — *English*
A.M., 1930.

Akers, John McCorkle ..... Charlotte
A.B., Davidson Col., 1928, fws — *Economics, Education*

Albright, Robert Mayne ..... Raleigh
A.B., 1931, fws — *Government, History*

Alexander, Allen Leander ..... Statesville
S.B. in Chem., 1931, fws — *Chemistry, Physics*

Alexander, James Atwell ..... Stony Point
A.B., Davidson Col., 1929.
M.A., *ibid.*, 1931, fws — *Geology*

Anderson, Edward Hutchings ..... Sandy Level, Va.
B.S., Univ. of Virginia, 1923.
M.S., Univ. of Florida, 1928, fws — *Economics, Commerce*

Anderson, James Perrin ..... Ninety Six, S. C.
A.B., Wofford Col., 1923.
A.M., 1927, fws — *History*

Andrews, Columbus ..... Morganton
A.B., 1927.
A.M., 1928, fws — *Rural Social-Economics*

Arnold, Frederick ..... Wartrach, Tenn.
B.S., George Peabody Col., 1925.
M.A., *ibid.*, 1928, fws — *Economics, Geology*

Ashton, Elma Hope ..... Richmond, Va.
A.B., Univ. of Richmond, 1925.
A.M., Univ. of Georgia, 1931, fws — *Sociology, Psychology*

Austin, Lucy Estelle ..... Taylorsville
A.B., Elon Col., 1924.
A.M., 1926, s — *Latin*

Aycock, Annie Catherine ..... Sharon, S. C.
A.B., Winthrop Col., 1931, fws — *Chemistry, Zoölogy*

Bacon, Mable Louise ..... Charlotte
B.S., Catawba Col., 1916.
A.M., 1921, s — *Education*

Belcher, Robert Herschel ..... Cairo, Ga.
B.S., Georgia State Col., 1930.
S.M., 1931, fws — *Chemistry, Physics*

Bell, Margaret Walker ..... Pilot Mountain
A.B., Univ. of Tennessee, 1930, s — *History*

Blount, Alma K. ..... Faison
A.B., North Carolina Col. for Women, 1923, fws — *French, English*

Bolick, Irene ..... Hickory
A.B., North Carolina Col. for Women, 1925, fws — *Zoölogy*

Boone, William Edward ..... Spencer
A.B., Catawba Col., 1929, fws — *History, Government*

Boroughs, Claude Kivett ..... Bowden, Ga.
A.B., Mercer Univ., 1926.
M.A., Univ. of Georgia, 1931, fws — *English*

Boyazis, Emile Constantin ..... Athens, Greece
C.E., Athens Polytechnical School, 1926, fws — *Civil Engineering*

Brawley, Daniel Johnson ..... Statesville
S.B. in Chem., 1930, fws — *Chemistry, Mathematics*

Brinton, Lillian Pearson ..... West Chester, Pa.
A.B., North Carolina Col. for Women, 1927.
A.M., 1930, fw — *Sociology, Economics*

Britt, Hiram Harvie ..... Tucker, Ga.
B.Ph., Emory Univ., 1928.
M.A., *ibid.*, 1930, fws — *History*

Brooks, Mary Bacon ..... Milledgeville, Ga.
B.S. in Educ., Georgia State Col., 1925, s — *Education*

Brown, Dalma Adolph ..... Jamesville
A.B., 1924, fws — *English*

Brown, D. Wenzell ..... Portland, Maine
Candidate for A.B., Rollins Col., 1932, w — *English*

Brown, Henry Nicholas, III ..... Chapel Hill
A.B., in Educ., 1929.
A.M., 1931, f — *Sociology*

Bryan, Thomas Conn ..... Asheville
A.B., Duke Univ., 1926, fws — *History, Government*

Buxbaum, Katherine Louise ..... Cedar Falls, Iowa
B.A., State Univ. of Iowa, 1908.
M.A., Univ. of Chicago, 1924, ws — *English, Comparative Literature*

Byerly, Kenneth Rhodes ..... Milwaukee, Wis.
B.A., Univ. of Minnesota, 1930, fws — *Geology*

Cameron, Edward Alexander ..... Manly
A.B. in Educ., 1924.
A.M., 1929, f — *Mathematics*

Campbell, Maxwelton Selwin ..... Bellingham, Wash.
B.S., Oregon State Col., 1931, fws — *Civil Engineering*

Carmichael, Colin ..... Primas, Pa.
B.Sc., Glasgow Univ. (Scotland), 1926, fws — *Mechanical Engineering*

Carmichael, Kate Jeffreys ..... Goldsboro
B.S., North Carolina Col. for Women, 1909.
A.M., 1929, fws — *English*

Carroll, Hardy Abram ..... Chapel Hill
A.B., Guilford Col., 1914.
A.M., 1931, fws — *Education, Geology*

Carroll, John Erwin, Jr. ..... York, S. C.
B.S., The Citadel, 1923.
A.M., 1928, s — *French, Spanish*

Cauble, Franklin Pierce ..... High Point
A.B., Lenoir-Rhyne Col., 1926.
A.M., Univ. of South Carolina, 1929, fws — *English*

Causey, James Young ..... Winston-Salem
B.A., Univ. of Virginia, 1928, fws — *Spanish, French*

Chamberlain, Olivia Hart ..... Lincolnton
A.B., 1930.
A.M., 1931, fws — *Philosophy, History*

Chandler, William James ..... Winston-Salem
A.B., 1931, fws — *English*

Chase, Harold Mason ..... Danville, Va.
S.B., Massachusetts Inst. of Tech., 1896, fws — *Chemistry*

Chick, Florence Elizabeth ..... Roanoke, Va.
B.A., Col. of William and Mary, 1931, fws — *Mathematics*

Chrisco, Howard Fentress ..... Badin
S.B. in Ch. Engg., 1931, fws — *Chemical Engineering*

Cole, George Frederic ..... Southern Pines
A.B. in Educ., 1930, f — *French, Spanish*

Coleman, Henry Edmunds, Jr. ..... Lexington, Ky.
B.A., Centre Col., 1931, fws — *English*

Collins, Ralph Stokes ..... Ayden
A.B., 1930.
A.M., 1931, w — *German, English*

Conn, Miller Wade ..... Hazelhurst, Miss.
B.A., Mississippi Col., 1929.
A.M., 1930, fws — *Chemistry, Physics*

Constable, Ernest William ..... Durham
B.S., North Carolina State Col. of A. and E., 1921.
A.M., 1923, fws — *Chemistry, Zoölogy*

Cosby, Bertram Oliver ..... Auburn, Ga.
B.S., Emory Univ., 1929.
M.S., *ibid.*, 1930, fws — *Chemistry, Physics*

Cox, Lolo Lyda ..... Los Angeles, Cal.
A.B., Univ. of Washington, 1913, f — *English*

Craven, Claude Jackson ..... Charlotte
A.B. in Educ., 1931, fws — *Physics, Mathematics*

Crawford, Virginia Kluttz ..... Goldsboro
A.B., Meredith Col., 1931, fws — *Sociology*

Crook, Rachael ..... Chapel Hill
B.S., Alabama Polytechnic Inst., 1928.
M.S., *ibid.*, 1930, f — *Rural Social-Economics, Economics*

Crook, Vernon Baldwin ..... Concord
A.B., 1931, fws — *English*

Croom, John Harold ..... Fayetteville
A.B., 1931, f — *Sociology, Psychology*

Crutchfield, Colbert Frederick ..... Wilkesboro
A.B. in Educ., 1931, fw — *English*

Davenport, John Stewart ..... Buffalo, N. Y.
A.B., Cornell Univ., 1928.
A.M., Harvard Univ., 1929, fws — *English*

Davidse, Gerard John ..... Wheeling, West Va.
A.B., West Virginia Univ., 1931, fws — *Chemistry, Physics*

Davis, Bessie May ..... Warrenton
A.B., Greensboro Col., 1929, s — *English*

Dendy, Jack Stiles ..... Walhalla, S. C.
B.S., Presbyterian Col. of South Carolina, 1930, fws — *Zoölogy*

Deviney, Ezda May ..... Julian
A.B., North Carolina Col. for Women, 1919.
M.S., Univ. of Chicago, 1924, fws — *Zoölogy*

Dodd, Claire Alpen ..... Menlo, Ga.
A.B., Univ. of Georgia, 1929, f — *French, Spanish*

Donovan, Colement Harold ..... Canton, N. Y.
B.S., St. Lawrence Univ., 1931, fws — *Economics, Commerce*

Douglas, Thomas Basil ..... High Point
S.B. in Chem., 1927, fws — *Chemistry, Physics*

Duffy, Charles Chapman ..... New Bern
A.B., 1931, fws — *Government*

Duncan, Walter George Keith ..... New York, N. Y.
B.A., Univ. of Sydney, Australia, 1924.
M.A., *ibid.*, 1926.
Ph.D., London School of Economics, 1930, f — *Economics*

Eaddy, Clarence Leroy ..... Middlesex
A.B., Wofford Col., 1925, fws — *English*

Early, James Milton ..... Powellsville
B.A., Wake Forest Col., 1931, fws — *Chemistry, Physics*

Edmunds, Anne Gordon ..... Danville, Va.
A.B., Col. of St. Genevieve of the Pines, 1930, fws — *French, Latin*

Edwards, Martha Elizabeth ..... Portsmouth, Va.
A.B. in Educ., 1930.
A.M., 1931, fws — *History, Latin*

Edwards, Mattie Erma ..... Hookerton
A.B., North Carolina Col. for Women, 1925.
A.B., 1928, fws — *History, Government*

Eliason, Mary Howell ..... Statesville
A.B., North Carolina Col. for Women, 1925.
A.M., 1927, fws — *English, History*

Elliott, Flavel Scott ..... Newington, Conn.
A.B., Dartmouth Col., 1928.
A.M., 1931, fws — *English*

Elliott, Van Courtlandt ..... Chapel Hill
A.B., Bowdoin Col., 1928.
A.M., 1929, fws — *Latin*

Ellison, Reuben Young ..... Easley, S. C.
A.B., The Citadel, 1928, fws — *French, Spanish*

Ericson, Ervid Eric ..... Chapel Hill
A.B., 1931, fws — *History*

Ewart, Hildegarde ..... Chapel Hill
A.B., Wellesley Col., 1931, w — *History*

Ezell, William Curtis ..... Spartanburg, S. C.
A.B., Wofford Col., 1930.
A.M., 1931, fws — *Sociology, Economics*

Faulkner, Rose Maureen ..... Atlanta, Ga.
A.B., Berea Col., 1926, s — *English*

Feltner, Charles Edward ..... Chapel Hill
B.S. in Civil Engg., Virginia Polytechnic Inst., 1928, f *Civil Engineering, Geology*

Ferber, Maurice ..... Purdy Station, N. Y.
A.B., Harvard Univ., 1904, f — *English*

Ferguson, Elizabeth ..... Wauchula, Fla.
A.B., Florida State Col. for Women, 1930, fws — *History, Government*

Floras, Christos Lazare ..... Athens, Greece
B.S. in Civil Engg., Athens Polytechnic School, 1923.
M.S. in Civil Engg., Stevens Inst., 1928, fws — *Civil Engineering*

Freeman, Bernice ..... LaGrange, Ga.
A.B., Bessie Tift Col., 1930, fws — *English*

French, George Edward, Jr. ..... Statesville
A.B., 1931, fws — *English*

Fukusato, Jisaku ..... Tokyo, Japan
B.A., Waseda Univ., 1916, fws — *Economics*

Gallardo, José, Jr. ..... Mayaguez, Puerto Rico
A.B., Park Col., 1922.
M.A., Pennsylvania State Col., 1926, fws — *Spanish, French*

Garner, Lofton Leroy ..... Newport
A.B., 1925.
A.M., 1927, fws — *Mathematics*

Garrett, Robert Lee ..... Bowdon, Ga.
B.S., Univ. of Georgia, 1926.
A.M., 1930, fws — *Mathematics*

Gee, Robert Estes, Jr. ..... Newberry, S. C.
A.B., Newberry Col., 1931, fws — *Chemistry, Physics*

Geisel, John Bernard ..... Grand Rapids, Mich.
A.B., Calvin Col., 1931, f — *English*

Gilreath, Esmarch Senn ..... North Wilkesboro
A.B., 1926.
A.M., 1927, f — *Chemistry, Physics*

Girlinghouse, Frank William ..... Jena, La.
B.A., Louisiana Col., 1925.
A.M., 1927, fws — *Education, Rural Social-Economics*

Githens, Sherwood, Jr. ..... Ashland, N. J.
A.B., Bucknell Univ., fws — *Physics, Mathematics*

Godbold, Lucile Ayers ..... Chapel Hill
B.A., Southern Methodist Univ., 1925, ws — *Sociology*

Godfrey, James Logan ..... Roanoke, Va.
A.B., Roanoke Col., 1931, fws — *History, Government*

Green, Edwin Luther ..... Columbia, S. C.
B.S., Univ. of South Carolina, 1931, fws — *Zoölogy*

Green, Herbert Charles ..... Candor
B.S. in Educ., North Carolina State Col. of A. and E., 1929 — *Education*

Greene, Naomi Esther ..... Williamstown, West Va.
A.B., Marietta Col., 1930, fws — *Geology*

Grimsley Lucy Estes ..... Winston-Salem
A.B., Salem Col., 1920, fws — *French, Spanish*

Grubbs, William McKinley ..... Mocksville
B.A., Wake Forest Col., 1927.
A.M., 1931, fws — *Government, History*

Gwynn, Janie Stacy ..... Chapel Hill
A.B., North Carolina Col. for Women, 1924, f — *French, Spanish*

Gwynn, Mary Waters ..... Leaksville
A.B., North Carolina Col. for Women, 1916, w — *Sociology, Economics*

Hagood, Monroe Johnson ..... Charleston, S. C.
A.B., The Citadel, 1929, fws — *English*

Hallum, Mary Clyde ..... Davidson
A.B., Chicora Col., 1926, fws — *Sociology*

Hamilton, Charles Monroe ..... Raleigh
B.A., Southern Methodist Univ., 1923.
M.S., Texas A. and M. Col., 1925, s — *Sociology, Economics*

Harmon, Annie Olivia ..... Pittsboro
B.A., Meridian Col., 1920.
A.M., 1925, fws — *English*

Harrill, Clive Vergil ..... Shelby
B.A., Wake Forest Col., 1926, fws — *Chemistry, Physics*

Harris, William Durham ..... Asheville
A.B., College of William and Mary, 1916.
LL.B., 1922, fs — *Government*

Hayden, Perry William ..... Reno, Nevada
A.B., Univ. of Nevada, 1931, fws — *Economics, Commerce*

Hayes, Charlotte Clinard ..... Hillsboro
A.B., 1931, fws — *Psychology*

Haynes, Laurine ..... Greenville, S. C.
A.B., Coker Col., 1925.
A.M., 1928, fs — *Latin, French*

Henry, Matthew George ..... Chapel Hill
A.B., 1931, fws — *Chemistry, Physics*

Henry, Nell Quinby ..... McCormick, S. C.
A.B., Lander Col., 1927, fws — *Botany, Zoölogy*

Hicks, Mary Meredith ..... Baltimore, Md.
B.A., Univ. of Richmond, 1931, fws — *History, Government*

Hixson, Ivy May ..... Augusta, Ga.
A.B., Univ. of Georgia, 1928, fws — *Latin*

Hogan, William Johnson, IV ..... Williamsburg, Va.
A.B., Col. of William and Mary, 1927, fws — *Latin*

Holland, William Thompson ..... Charlotte
S.B. in Geol., 1929.
S.M., 1930, f — *Geology*

Hollett, Arthur Russell ..... Chapel Hill
S.B. in Civil Engg., 1928, fws — *Civil Engineering*

Hood, Robin ..... Commerce, Ga.
Ph.B., Emory Univ., 1927, fws — *Economics*

Hook, Marshall Ward ..... Elon College
A.B., Elon Col., 1922.
A.M., 1928, fws — *Mathematics*

Horne, McDonald Kelso, Jr. ..... Winona, Miss.
B.A., Univ. of Mississippi, 1930, fws — *Economics*

Horner, George Frederick ..... York, Pa.
B.A., Pennsylvania State Col., 1921.
M.A., *ibid.*, 1924, fws — *English*

Howard, Charles Huntington ..... Lemon City, Fla.
S.B., Spring Hill Col., 1918, s — *Philosophy*

Huggins, Maloy Alton ..... Raleigh
A.B., Wake Forest Col., 1912.
A.M., *ibid.*, 1915.
A.M., 1929, f — *Education, History*

Hunnicutt, Edward Harold ..... Washington, D. C.
A.B., George Washington Univ., 1929, fws — *History, Government*

Hunsicker, Frederick Paul ..... Ekert, Colo.
B.S. in Mech. Eng'g., Univ. of Colorado, 1931, fws — *Mechanical Engineering*

Hunt, William Lanier ..... Greensboro
A.B., 1931, fws — *French*

Hunter, Elwood Cartelyou ..... Tobaccoville
A.B. in Educ., 1929.
A.M., 1930, fw — *Education*

Hurley, Leonard Burwell ..... Greensboro
A.B., Duke Univ., 1913.
A.M., *ibid.*, 1916, s — *English*

Huskins, Charles Cecil ..... Burnsville
B.A., Wake Forest Col., 1929, fws — *History, Education*

Jenkins, Edgar Bryan ..... Nashville
A.B., 1920.
A.M., 1927, s — *Latin, English*

Jenkins, Sadie Franklin ..... Nashville
A.B., Greensboro Col., 1921.
B.M., *ibid.*, 1922.
A.M., 1931, fws — *English*

Johnson, Bernard Lars ..... Elkhart, Indiana
B.S., Purdue Univ., 1928.
M.S., Univ. of Illinois, 1931, ws — *Chemistry, Physics*

Johnson, Hugh Sutherland ..... Cleveland, Miss.
B.A., Mississippi Col., 1930.
B.S., Delta State Teachers' Col., 1930, fw — *Chemistry, Bio-Chemistry*

Johnson, James Asa ..... Genesee, Pa.
A.B., Union Col., 1931, fw — *English*

Johnson, Jacqueline VanRaden ..... Hattiesburg, Miss.
A.B., Mississippi Woman's Col., 1930, s — *Sociology, Rural Social-Economics*

Johnston, Rufus Franklin ..... Davidson
A.B., Davidson Col., 1929, fws — *History*

Jones, Martha Dabney ..... Norfolk, Va.
B.A., Sweet Briar Col., 1929, fws — *English*

Justice, Mary Fielding ..... Tampa, Fla.
A.B., 1927, fws — *History, Latin*

Kanaga, Harriet Hardison ..... Wadesboro
A.B., Converse Col., 1920, s — *Special*

Keith, Alice Barnwell ..... Raleigh
B.S., Columbia Univ., 1927, fws — *History, Government*

Kestler, Charles Brewer ..... Concord
Candidate for A.B., 1932, s — *English, German*

Killinger, George Glenn ..... Marion, Va.
A.B., Wittenberg Col., 1930, fws — *Psychology*

King, Thomas Luther ..... Chapel Hill
B.S., Emory Univ., 1929, fws — *Chemistry, Physics*

Kwei, Mary T. H. ..... Wuchang, China
B.A., Central China Col., 1931, fws — *Education, Sociology*

Ladu, Arthur Irish ..... Raleigh
A.B., Syracuse Univ., 1922.
A.M., 1927, f — *English*

Ladu, Lena Barrow ..... Raleigh
B.S. in Educ., North Carolina State Col. of A. and E., 1930.
M.S., *ibid.*, 1931, f — *Education*

Lane, Benjamin Benson, Jr. ..... Chapel Hill
S.B. in Civil Engg., 1931, s — *Civil Engineering*

LeConte, Joseph Nisbet ..... Chapel Hill
A.B., Emory Univ., 1927.
M.S., *ibid.*, 1929, fws — *Chemistry, Physics*

Lear, Charles Merritt ..... Chapel Hill
S.B. in Elec. Engg., 1930, fws — *Physics, Mathematics*

Leavell, Caroline Flournoy ..... Rome, Ga.
B.S., Vanderbilt Univ., 1914.
M.A., Columbia Univ., 1921, fws — *History*

Lentz, Ada Lillian ..... Gold Hill
B.S., North Carolina Col. for Women, 1914, fws — *Education*

Leonard, Grady Hill ..... Chapel Hill
S.B. in Chem., 1923, fws — *Sociology*

Lewis, Letitia Ashley ..... Lexington, Va.
A.B., Smith Col., 1912, fws — *French*

Linker, Julius Dodd ..... Salisbury
A.B., 1931, fws — *Mathematics*

Linker, Robert White ..... Chapel Hill
A.B., 1925.
A.M., 1928, ws — *French, Spanish*

Loftin, James Carr ..... Enfield
B.S., Virginia Mil. Inst., 1928, ws — *Chemistry*

Logan, William Turner ..... Charleston, S. C.
B.S. in Civil Engg., The Citadel, 1931, fws — *Engineering*

London, Lawrence Foushee ..... Pittsboro
A.B., 1931, fws — *History*

McCobb, Helen Irene ..... Meadville, Pa.
A.B., Allegheny Col., 1927.
M.A., Columbia Univ., 1928, fws — *Sociology, History*

McCoy, Samuel Jesse ..... Holly Hill, S. C.
A.B., Wofford Col., 1925.
A.M., Duke Univ., 1929, fws — *English, German*

McDonald, Donald McLean ..... Columbia, S. C.
A.B., Davidson Col., 1912.
M.A., Univ. of South Carolina, 1924, f — *Education, Psychology*

McGee, Bertie Melvel ..... Dahlonega, Ga.
A.B., North Georgia Agricultural Col., 1916.
S.M., 1930, fws — *Economics, Commerce*

McIver, James Harry ..... Chapel Hill
Ph.B., 1902, fws — *Education*

McKinney Louise ..... Mount Airy
A.B., North Carolina Col. for Women, 1931, fws — *History*

McKnight, Thomas Mortimer ..... Mooresville
A.B., 1921.
A.M., 1924, s — *Spanish, French*

McLeod, William Milton ..... Florence, S. C.
A.B., Wofford Col., 1921.
A.M., 1930, fws — *French, Spanish*

McNairy, Lyles Glenn ..... Dillon, S. C.
B.S. in Comm., Univ. of South Carolina, 1931, fws — *Economics, Commerce*

McNeil, John Milton ..... Chapel Hill
A.B., 1929, fs — *Government, History*

McNeir, Waldo Forest ..... Houston, Texas
B.A., Rice Inst., 1929, fws — *English*

McPherson, Elizabeth Gregory ..... Shiloh
A.B., 1923.
A.M., 1925, fws — *History*

McQueen, William Browne, Jr. ..... Raeford
A.B., Davidson Col., 1929, s — *English*

Mabon, John Scott ..... New York, N. Y.
A.B., Columbia Univ., 1931, f — *English*

Maclachlan, Emily Stevens ..... Chapel Hill
A.B., Millsaps Col., 1929, fws — *Sociology, Rural Social-Economics*

Maclachlan, John Miller ..... Chapel Hill
A.B., Millsaps Col., 1929, fws — *Sociology, Rural Social-Economics*

Macon, Hershal Luther ..... Auburn, Ala.
B.S., Guilford Col., 1924.
M.A., Haverford Col., 1925, s — *Economics*

Mahler, Andrew John ..... Wilmington
A.B., Wagner Col., 1925.
A.M., Columbia Univ., 1926, fws — *English*

Manning, John Eber ..... Jamesville
B.S. in Educ., Univ. of Arkansas, 1923.
M.S., *ibid.*, 1924, fws — *Education, History*

March, Francis Andrew ..... Greensburg, Pa.
B.S. in Civil Engg., Lafayette Col., 1916, fws — *Civil Engineering*

Martin, Virginia Cofer ..... Murfreesboro
A.B., Chowan Col., 1929, s — *Latin*

Matheson, Donald Stuart ..... Hillsboro
B.S., North Carolina State Col. of A. and E., 1925, fws — *Economics*

Mathews, Andrew Clark ..... Magnolia
A.B., 1928.
A.M., 1931, fws — *Botany, Bacteriology*

Mattox, William Judson ..... Clinton, Miss.
B.A., Mississippi Col., 1928.
A.M., 1929, s — *Chemistry*

Mendenhall, Marjorie Stratford ..... Greensboro
A.B., North Carolina Col. for Women, 1920.
A.M., Radcliffe Col., 1927, fws — *History, Sociology*

Merritt, James Eric ..... Chapel Hill
A.B. in Educ., 1927, f — *History*

Michie, Orbie Earl ..... Pittsburg, Kans.
B.S., Kansas State Teachers' Col., 1921.
M.S., *ibid.*, 1926, fws — *Education*

Miller, Paul J. ..... Durham
B.S., Mississippi State Col., 1929, s — *Government, History*

Mitchell, John Baity ..... Cleveland
B.S., Wake Forest Col., 1931, ws — *Chemistry, Physics*

Moore, Charles Albert Petigru ..... Union, S. C.
A.B., 1927, fws — *English*

Morgan, Elford Chapman ..... Tryon
A.B., Wofford Col., 1927.
A.M., 1931, fws — *English*

Morgan, William Watson ..... Chapel Hill
B.A., Wake Forest Col., 1925, fws — *Education*

Moses, Walter Laurens ..... Durham
A.B., 1929, ws — *English*

Mulkey, Harry Butler ..... Chapel Hill
B.S., Clemson Col., 1921.
S.M., 1931, fws — *Physics, Mathematics*

Munch, Ralph Howard.....Chapel Hill
S.B. in Chem., 1931, fws — *Chemistry, Mathematics*

Munn, Lonnie Daniel.....Wingate
B.A., Wake Forest Col., 1931, fws — *English*

Murray, Paul.....Vienna, Ga.
B.Ph., Emory Univ., 1927.
M.A., *ibid.*, 1929, fws — *History, Government*

Neal, Charles Cleveland.....Chapel Hill
A.B., Piedmont Col., 1929.
A.M., 1931, fws — *French, Spanish*

Newell, Olive Elisabeth.....Greensboro
A.B., North Carolina Col. for Women, 1931, fws — *English*

Nicholson, George Wilson.....Camden, S. C.
B.S., The Citadel, 1919.
M.A., Univ. of South Carolina, 1922.
LL.B., *ibid.*, 1922, fws — *Mathematics*

Norburn, Martha Elizabeth.....Asheville
A.B., College of St. Genevieve of the Pines, 1926.
M.A., Univ. of Michigan, 1929, s — *Geology*

Osborne, Annette May.....Leaksville
A.B., North Carolina Col. for Women, 1927.
A.M., 1929, fws — *English*

Park, Hubert Vern.....Salisbury
A.B., Lenoir-Rhyne Col., 1931, fws — *Mathematics*

Parker, John William.....Murfreesboro
A.B. in Educ., 1930, s — *English*

Parker, Roland Bryce.....Rome, Ga.
A.B., Davidson Col., 1926, fws — *History, Government*

Parlett, Mathilde Mayer.....Ledger
B.A., Smith Col., 1913, ws — *English, Comparative Literature*

Penny, Celeste Lane.....Raleigh
A.B. in Educ., 1930, f — *Education*

Perritt, Lytton Gladstone.....Lamar, S. C.
B.S., Clemson Col., 1921, fws — *Economics, History*

Peters, Horace White.....Chapel Hill
Ph.B., Yale Univ., 1930, ws — *Economics, History*

Pfaff, Eugene Edwin.....Pfafftown
A.B. in Educ., 1930, f — *History*

Phelps, Leon Howard.....Fuquay Springs
B.S., Wake Forest Col., 1931, fws — *Zoölogy*

Polhill, Emmie Frances.....Decatur, Ala.
A.B., Judson Col., 1930, ws — *Government, History*

Pound, Merritt Bloodworth.....Athens, Ga.
A.B., Univ. of Georgia, 1924.
A.M., *ibid.*, 1924, fws — *Government, History*

Preston, Ruth Hamill.....Chapel Hill
B.A., Southern Methodist Univ., 1925.
A.M., 1929, f — *Psychology*

Rankin, Henry Ashby.....Fayetteville
A.B., 1927.
A.M., 1927, fws — *English*

Ray, Charles Edwin, Jr.....Chapel Hill
S.B. in Elec. Engg., 1925, s — *Civil Engineering*

Riddick, Thomas Moore.....Gatesville
S.B. in Civil Engg., 1931, fws — *Civil Engineering*

Ritchie, John A.....China Grove
B.S., Lenoir-Rhyne Col., 1931, fws — *Chemistry, Physics*

Roberts, Elise Williams.....Charlotte
A.B., 1931, fws — *English*

Roberts, Frances.....Shreveport, La.
A.B., Centenary Col., 1928, fws — *English*

Schnell, Herman Walker ..... Chapel Hill
A.B., 1930, s — *Special*

Scott, John Walter ..... Chapel Hill
A.B., Dartmouth Col., 1929, fws — *English*

Sensabaugh, George Frank ..... Tulsa, Okla.
B.A., Vanderbilt Univ., 1928.
A.M., 1930, fws — *English*

Seward, Donald Montford ..... DeLand, Fla.
A.B., John B. Stetson Univ., 1930, fws — *Mathematics, Physics*

Shields, Archibald Kenneth ..... Brandon, Miss.
A.B., Millsaps Col., 1927.
A.M., 1930, ws — *Spanish, French*

Shine, Hill ..... Chapel Hill
A.B., 1921.
A.M., 1925, fws — *English*

Simons, Manning Alexander ..... Charleston, S. C.
A.B., Washington and Lee Univ., 1927.
A.M., *ibid.*, 1928, fws — *Education, Psychology*

Sinclair, Robert Basil ..... Ft. Wayne, Ind.
A.B., Indiana Univ., 1921.
A.M., Columbia Univ., 1922, fws — *English*

Sisson, Charles Newton ..... Blue Ridge
A.B., Roanoke Col., 1916.
A.M., Princeton Univ., 1917, fws — *History*

Sitterson, Joseph Carlyle ..... Kinston
A.B., 1931, fws — *History, Economics*

Skaggs, Marvin Lucian ..... Chapel Hill
A.B., Univ. of Richmond, 1921.
A.M., 1929, f — *History*

Smedley, Katherine ..... Cornwall, N. Y.
A.B., Swarthmore Col., 1930, fws — *History*

Smith, Kathryn Kent ..... Granville, Ohio
A.B., Denison Univ., 1931, fws — *English*

Smith, Minnie Jameson ..... Winston-Salem
A.B., Univ. of Idaho, 1908.
M.A., Columbia Univ., 1922, fws — *Latin*

Smith, Wilburn Philip ..... Chipley, Ga.
A.B., Univ. of Georgia, 1920.
M.A., Emory Univ., 1923, fws — *Spanish, French*

Spiers, Harry Smith ..... Greensboro
A.B., Washington and Lee Univ., 1927, s — *English, Education*

Stabler, Bruce Hall ..... Chapel Hill
B.S., Columbia Col., 1923, fw — *French, Spanish*

Stabler, Lewis Bellinger ..... Chapel Hill
A.B., Wofford Col., 1917, fws — *French, Spanish*

Stark, George ..... Salisbury, Southern Rhodesia
M.A., Univ. of Glasgow, 1921, fws — *Education, Sociology*

Starnes, Dewey Edward ..... Holly Springs
A.B., Lenoir-Rhyne Col., 1925, fws — *French, Spanish*

Stephens, Herbert Estee ..... Six Mile, S. C.
B.A., Furman Univ., 1931, fws — *Education*

Stevens, Stanley Scott ..... Demorest, Ga.
Ph.B., Piedmont Col., 1928.
A.M., 1931, fws — *Sociology, Economics*

Stone, Joseph J. ..... Waynesville
B.S. in Educ., Univ. of Missouri, 1921.
A.M., *ibid.*, 1926, fw — *History*

Sulkin, George Richard ..... Durham
A.B., 1931, fws — *French, Comparative Literature*

Sumerford, Simpson Douglas ..... Smithville, Miss.
B.S., Mississippi State Col., 1929, fws — *Chemistry, Physics*

Summers, Marion P. ..... Glenville, West Va.
A.B., Univ. of Michigan, 1921.
A.M., *ibid.*, 1931, fws — *History*

Suskin, Albert Irving ..... New Bern
A.B. in Educ., 1931, fws — *Latin*

Swedenburg, Hugh Thomas ..... Greenville, S. C.
A.B., Presbyterian Col. of South Carolina, 1928.
M.A., Columbia Univ., 1929, fws — *English*

Taylor, Cecil Grady ..... Williamston
A.B. in Educ., 1929.
A.M., 1930, ws — *French, Spanish*

Temple, Edgar Samuel ..... Cameron
A.B., Lenoir-Rhyne Col., 1927, s — *Education*

Thomas, Henry Carrison ..... Charleston, S. C.
S.B. in Chem., 1931, fws — *Chemistry, Mathematics*

Thomas, Marion Bruce ..... Talladega, Ala.
A.B., 1931, fws — *English*

Thrall, Rosalie ..... Chapel Hill
A.B., 1929, w — *Special*

Thurman, Beverly Reid, Jr. ..... Norfolk, Va.
A.B., Col. of William and Mary, 1931, fws — *French, Spanish*

Tilley, Grace ..... Durham
A.B., North Carolina Col. for Women, 1927, f — *English*

Toler, Lessie Ophelia ..... Lillybrook, W. Va.
A.B., West Virginia Univ., 1927, fws — *Sociology, Rural Social-Economics*

Townsend, Katherine Burdick ..... Binghamton, N. Y.
B.A., Wells Col., 1931, fws — *French, Spanish*

Treverton, William Montgomery ..... Marion
A.B., Davidson Col., 1927, fws — *Psychology*

Tufts, Margaret Anna ..... Banner Elk
A.B., Agnes Scott Col., 1926, s — *English*

Turner, James Otho ..... McColl, Miss.
B.A., Mississippi Col., 1930.
M.A., 1931, fws — *Chemistry, Physics*

Tuttle, Winifred Martha ..... Cedar Falls, Iowa
B.A., Iowa State Teachers' Col., 1920.
M.A., Univ. of Chicago, 1928, s — *English*

Unangst, Dorothy Mae ..... Bayonne, N. J.
A.B., New Jersey Col. for Women, 1930, fws — *English*

Usry, John Bunyan ..... Oxford
B.A., Wake Forest Col., 1927, fws — *English*

Vardell, Mary Linda ..... Red Springs
A.B., Flora Macdonald Col., 1926, ws — *Botany*

Vaughn, Eloise Brown ..... Winston-Salem
B.A., Salem Col., 1930, fws — *French, German*

Wall, James Graham ..... Benson
Candidate for A.B. in Educ., 1932, s — *Mathematics*

Wall, William Rae ..... Tobaccoville
A.B. in Educ., 1931, fws — *Mathematics*

Ward, Dean A. ..... Zirconia
A.B. in Educ., 1930, fws — *English*

Waterman, John Howard ..... Durham
B.S., Univ. of Alabama, 1930, fws — *Chemistry, Physics*

Watson, John Dargan ..... Chapel Hill
A.B., Furman Univ., 1925.
S.B. in Civil Engg., 1928, fws — *Civil Engineering, Mathematics*

Webb, Edith ..... Oxford
A.B., North Carolina Col. for Women, 1930, fws — *Sociology, Psychology*

Wells, Mitchell Preston ..... Edgefield, S. C.
A.B., Univ. of South Carolina, 1925.
A.M., 1931, fws — *English*

White, Harvey Edwin ..... Stokesdale
A.B., Guilford Col., 1931, fws — *Education*

White, Rankin Jones ..... Chapel Hill
Candidate for S.B. in Civil Engg., 1932, f — *Civil Engineering*

White, Viola Chittenden ..... Brooklyn, N. Y.
B.A., Wellesley Col., 1911.
M.A., Columbia Univ., 1931, fws — *English*

Whitener, Daniel Jay ..... Chapel Hill
A.B., 1922.
A.M., 1923, s — *History, Government*

Wickens, Delos Donald ..... Rochester, N. Y.
B.A., Centre Col., 1931, fws — *English*

Wicker, Walton Crump ..... Elon College
A.B., Elon Col., 1893.
A.B., 1895.
M.A., Columbia Univ., 1920, s — *Education, Psychology*

Williams, Arnold Ledgerwood ..... Chapel Hill
A.B., Univ. of Notre Dame, 1929.
A.M., 1930, fws — *English*

Williams, Lena Mae ..... Chapel Hill
A.B., 1930.
A.M., 1931, ws — *Sociology, Rural Social-Economics*

Williams, Marguerite Florence ..... Utica, N. Y.
B.A., Wellesley Col., 1910, w — *German*

Williams, Milton Howard ..... Ada, Ohio
B.A., Ohio Wesleyan Univ., 1931, fws — *Philosophy, Psychology*

Wilson, Jesse Carl ..... Chapel Hill
B.A., Furman Univ., 1925, f — *History, Government*

Wilson, Raemond Bingham ..... Decatur, Ga.
A.B., Agnes Scott Col., 1930, fws — *English*

Wilson, William Lester ..... Chapel Hill
A.B., Piedmont Col., 1921.
A.M., 1928, f — *English*

Winkler, Edwin Weems ..... Chapel Hill
S.B., Montana State Col., 1928, fws — *Electrical Engineering*

Withers, Arthur Speece ..... Abingdon, Va.
B.A., Emory and Henry Col., 1917.
M.A., Vanderbilt Univ., 1921, s — *English*

Wolfe, John Harold ..... Roebuck, S. C.
A.B., Wofford Col., 1927, fws — *History*

Wood, Elizabeth Janet ..... Panama City, Fla.
A.B., Florida State Col. for Women, 1930.
M.A., Univ. of California, 1931, fw — *History*

Workman, John Hiliary Andrew ..... Cherryville
A.B., 1909, fws — *Education*

Wormell, Helen Elizabeth ..... Harrisburg, Pa.
A.B., Gettysburg Col., 1931, fws — *English*

Wynne, Waller, Jr. ..... Durham
A.B., Univ. of Richmond, 1928.
M.A., Duke Univ., 1930, fws — *Sociology, Psychology*

Young, Newton Clifford ..... Jackson, Miss.
B.S., Millsaps Col., 1925, fws — *Sociology, Rural Social-Economics*

Young, Wade Phillips ..... Chapel Hill
B.S., North Carolina State Col. of A. and E., 1926.
M.S., *ibid.*, 1928, fws — *Rural Social-Economics, Education*

Zappa, Francis Vincent ..... Chapel Hill
A.B. in Educ., 1931, w — *History*

Zorn, Blanche Clare ..... Chapel Hill
B.S., New York Univ., 1930, fw — *Psychology*

UNDERGRADUATE AND PROFESSIONAL STUDENTS

Abbreviations are used to indicate the curriculum followed by each student as follows: A, Bachelor of Arts; Ed., Bachelor of Arts in Education; A. S., Applied Science; C., Bachelor of Science in Commerce; E. E., Bachelor of Science in Electrical Engineering; Ci. E., Bachelor of Science in Civil Engineering; Ch. E., Bachelor of Science in Chemical Engineering; M. E., Bachelor of Science in Mechanical Engineering; Med., course in Medicine; Ph., Graduate in Pharmacy; Law, course in Law; P. W., course in Public Welfare; spec., special student.

The figure following the course, or curriculum, approximates the year of that student in that course, or curriculum.

The letter or letters, following the year indicates the specific quarter, or quarters, of that student in residence during the academic year of 1931-1932, f meaning fall quarter, w meaning winter quarter, and s meaning spring quarter.

A degree shown has been awarded by the University of North Carolina unless otherwise specified.

Aaron, Harold Isaac, C. 4, w	Spencer
Aaron, Jules, A. 1, fws	Brooklyn, N. Y.
Abels, Lucas Clarence, C. 3, fws	High Point
Abelson, Stanley Bennett, A. 4, fws	Freeport, N. Y.
Abernethy, Franklin Pierce, Jr., C. 1, fws	Greensboro
Abernethy, Milton Avant, Law 1, f	Hickory
Abramson, Jack, A. 2, fws	Brooklyn, N. Y.
Acee, John Marshall, C. 2, fws	Asheville
Adair, James Cecil, Ed. 2, fws	Southern Pines
Adams, Franklin LeVerne, Law 1, fs A.B., 1925	Rowland
Adams, Frank Marvin, Med. 2, fws	Dillon, S. C.
Adams, Fletcher Ruff, Med. 1, fws B.S., Davidson Col., 1927	Charlotte
Adams, George Cotton Smith, A. 3, fws	Columbia, S. C.
Adams, Joel Barber, A. 3, fws	Biltmore
Adams, Jordan Eldred, Jr., Ed. 3, fws	Jonesboro
Adams, Junius Greene, Jr., Law 3, f A.B., 1929	Asheville
Adams, Thomas Richard, Ed. 2, fws	Jonesboro
Adams, William Jackson, Jr., Law 2, fs A.B., 1930	Carthage
Adderton, Richard Stokes, C. 2, fws	Lexington
Adkins, Fenton Andrew, A. 4, fw	Durham
Adkins, Trogler Francis, A. S. 2, fws	Durham
Aiken, William Craig, C. 1, fws	Asheville
Aitken, Cruickshank Stuart, C. 1, fws	Charlotte
Akers, Allen Edwin, Jr., Ed. 2, fws	Roanoke Rapids
Alexander, Ebenezer, Jr., A. 1, fws	Knoxville, Tenn.
Alexander, Frank Spruill, A. spec., fws	Charlotte
Alexander, John Frederick, A. 2, fws	New York, N. Y.
Alexander, Marion Romaine, Law 3, fs A.B., 1929	Asheville
Alexander, Naomi, Law 3, fs A.B., 1926	Charlotte

Alexander, Richard Halyburton, A. 1, f	Taylorsville
Alexander, Thomas Willis, Jr., C. 4, fw	Charlotte
Alford, George Haywood, Jr., E. E. 4, fws	Holly Springs
Allen, Arch Turner, Jr., Law 2, fs S.B. in Ci. E., 1930	Raleigh
Allen, Burwell Algernon, Ed. 3, w	Weldon
Allen, Felix Hill, Jr., E. E. 1, f	Louisburg
Allen, James Edgar, A. 2, fw	New York, N. Y.
Allison, Charles Walter, Jr., A. S. 3, fw	Charlotte
Allison, Graham Tillett, M. E. 1, fws	Charlotte
Allison, Harry Caldwell, Ed. 4, fws	Concord
Allison, Marion Edward, C. 1, fws	Hillsboro
Allred, Frederick Jackson, Ed. 2, fws	Liberty
Allred, Robert Howard, Ph. 1, f	Randleman
Allsbrook, William Alton, A. 2, f	Scotland Neck
Allsbrook, William Randolph, A. 3, fws	Roanoke Rapids
Alston, Philip King, A. 4, fws	Raleigh
Aman, Cyrus Walton, C. 2, fws	Jacksonville
Ames, Nathan, A. 3, ws	Boston, Mass.
Amick, Thomas Cicero, Ed. spec., s	Elon College
Anderson, Esley Offit, Jr., C. 1, fws	Charlotte
Anderson, Francis Irving, A. 3, fws	Reidsville
Anderson, Herbert Allan, A. 2, fws	East Orange, N. J.
Anderson, Harvey Edsal, C. 1, fws	Greensboro
Anderson, Henry London, Law 1, fs	Raleigh
Anderson, Jacob Garrett, C. 1, fws	Spartanburg, S. C.
Anderson, Laurens Van Hook, A. 1, fws	Durham
Andrew, Clyde Monroe, C. 4, fws	Greensboro
Andrews, Alex Boyd, Jr., C. 2, fws	Raleigh
Andrews, Dorothy Wilson, Law 1, fs	Chapel Hill
Andrews, John, Ci. E. 4, fws	Biltmore
Andrews, William Hinton, Jr., A. S. 1, fws	Wilmington
Angel, Walton William, Ed. 4, fws	Swiss
Anglin, William English, Law 1, fs	Burnsville
Anthony, Andrew Lewis, Ed. 2, fs	Cherryville
Anucauskas, Raymond Paul, C. 2, f	Rockford, Ill.
Armfield, John Wyatt, A. 4, fws	Concord
Armfield, Walter Frank, Jr., C. 1, fws	High Point
Armistead, John, Jr., A. 2, fws	Birmingham, Ala.
Armstrong, William Eugene, A. 3, fws	Belmont
Arrabel, Miguel, Ci. E. 1, fw	Nuevitas, Cuba
Arthur, William, A. 3, fws	Charlotte
Ashcraft, Lee Calvin, C. 2, s	Marshville
Ashley, Paul Wake, A. 3, fws	Paterson, N. J.
Atiyeh, Frederick Edward, A. 3, fws	Brooklyn, N. Y.
Atkins, Callis Harvy, Ci. E. 4, fws	White Plains
Atkins, Ennis Woodall, A. spec., fws	Gastonia

Atkinson, Calder, M. E. 1, fws	Wilmington
Atkinson, William Mayo, Jr., Ci. E. 4, fws	Wilmington
Atwood, Robert Clark, C. 3, fws	Durham
Auman, Howard Frank, C. 3, fws	Seagrove
Auman, Jason Mac Gregor, Ed. 3, fw	West End
Austin, Casper Marion, C. 4, fws	Winston-Salem
Avent, Raymond Richard, Ed. 1, fw	Bynum
Averitt, Edith Eugenia, L. S. 1, fws A.B., 1925	Chapel Hill
Avery, Alphonso Calhoun, III, Ch. E. 1, fws	Greensboro
Avery, DuBose, E. E. 2, fws	Morganton
Avery, George William, Ed. 1, fw	Dover
Avery, Robert Hill, A. 4, fws	New Brunswick, N. J.
Avner, David Leonard, Med. 2, fws A.B., 1931	Morgantown, W. Va.
Avner, Louis Lee, C. 1, fws	Morgantown, W. Va.
Aycock, Charles Brantley, Jr., A. 1, f	Dunn
Aycock, Edwin Burtis, Med. 2, fws	Fremont
Badgett, Elmer Webb, Ph. 1, fws	Mt. Airy
Bagwell, Eugene Cleveland, Jr., A. 1, fws	Norfolk, Va.
Bahnson, Agnew Hunter, Jr., A. 1, fws	Winston-Salem
Bahnson, Frederick Fries, Jr., A. 1, fws	Winston-Salem
Bailey, James Allen, Jr., C. 1, f	Raleigh
Baird, Jay Lee, A. 3, fws	Matthews
Baker, Ashby Lee, C. 3, fws	Raleigh
Baker, Julian Tucker, C. 3, fws	Raleigh
Baker, Otis Wallon, C. 4, f	Carthage
Baker, Shelley, A. S. 1, f	Baltimore, Md.
Balding, Cecil Leonard, A. 3, ws	New York, N. Y.
Baldwin, Hillard Poplin, Ci. E. 3, f	Fayetteville, Tenn.
Baldwin, Jesse, C. 1, fws	Ellerbe
Baldwin, James Le Grande, A. S. 1, fws	Randleman
Baldwin, Robert Edwin, Ch. E. 2, fw	Fayetteville, Tenn.
Baldwin, Thomas Roper, A. 4, fw	Randleman
Baley, James Major, Jr., Law 2, fs	West Asheville
Balis, Samuel, A. 2, fws	Newark, N. J.
Ballard, William Rhodes, Jr., C. 2, f	Biltmore
Ballentine, Ida Lee, C. 3, fws	Augusta, Ga.
Balyo, Clyde Groce, E. E. 2, fw	Greenville, S. C.
Baracket, Albert Joseph, E. E. 1, fws	Atlantic City, N. J.
Barbano, Dominick Robert, C. 2, fws	Oneida, N. Y.
Barbano, Joseph Francis, A. 1, fws	Oneida, N. Y.
Barbee, Allen Cromwell, A. 1, fw	Spring Hope
Barber, Milton Augustus, Jr., A. 3, fws	Raleigh
Barclay, George Thomas, C. 2, fws	Natrona, Penna.
Barefoot, Sherwood Washington, A. S. 1, fws	Battleboro
Barfield, William Claude, C. 4, fws	Newport
Barham, Berlin Francis, Ed. 1, fws	Leaksville

Barham, Ruben Dennis, Ed. 2, fws	Madison
Barham, Samuel A., Jr., E. E. 4, fws	Madison
Barker, Harold Willson, A. 1, fw	Flushing, N. Y.
Barber, Ira Wilson, Jr., Law 1, fs A.B., Furman Univ., 1930	Mt. Airy
Barnes, Bennett Harper, A. 4, fws	Lillington
Barnes, John Daniel, C. 4, fws	Wilmington
Barnes, James Houston, C. 2, fws	Greensboro
Barnett, Robert Warren, A. 3, fws	Shanghai, China
Barnett, William Gilbert, A. 2, fws	Derita
Barnhardt, Harris Rumple, Ed. 1, fws	Huntersville
Barnhill, Maurice Victor, Jr., A. 2, fws	Rocky Mount
Baroody, Theodore Alexander, E. E. 4, fws	Florence, S. C.
Barr, Aaron, Med. 1, fws	Brooklyn, N. Y.
Barr, Ernest Scott, A. S. spec., s A.B., 1926	Greensboro
Barrett, Elmer Gordon, Jr., Ci. E. 1, fws	Kinston
Barrett, John Alfred, Ed. 1, fws	Ponce, Puerto Rico
Barrett, Sterling Archie, Med. 2, fws	Fayetteville
Barringer, Archie Lipe, A. S. 2, fws	Mt. Pleasant
Barrow, John Knox, Jr., A. 2, fws	Zebulon
Barry, Harry Mansell, C. 3, fw	Bakersville
Barwick, Arnold Francis, A. 1, fws	LaGrange
Barwick, Eloise, A. 4, fws	Raleigh
Basnight, Thomas Gray, Jr., A. 1, f	Stokes
Bass, Robert Reuben, A. 1, fws	Newark, N. J.
Bass, Virginia Beaty, A. S. 2, fs	Wilson
Bassoff, Harold Roy, A. S. 1, fws	Brooklyn, N. Y.
Bateman, James Auson, A. 4, fws	Roper
Bateman, Walter C., Jr., C. 1, fws	Asheville
Bateman, Walter Robert, Ch. E. 2, fws	Rockingham
Bates, Andrew Jackson, A. 2, fws	Montclair, N. J.
Bates, George Washington, Ed. 3, fws	Forest City
Battley, William Richard, Law 1, fs	Hamlet
Bauchner, Milton Benjamin, C. 1, fws	Bloomfield, N. J.
Baucom, James Harney, C. 1, f	Marshville
Bauer, Paul Irving, A. 2, fws	Chesaning, Mich.
Bauman, Florence Hill, Ed. 3, f	Raleigh
Baumstone, Harold, A. 4, fws	New York, N. Y.
Beach, Veva, A. 4, fws	Hasbrouck Heights, N. J.
Beal, William Albert, Jr., Ed. 4, fws	Gulf
Beale, Seth McPherson, Med. 1, fws	Snow Camp
Beale, William Earle, C. 3, fs	Wilmington
Beam, Daniel Paul, Ed. 3, fws	Bessemer City
Beam, Everett Guy, C. 4, fws	Chapel Hill
Beam, Hoyle Franklin, C. 2, fs	Chapel Hill
Beaman, John William, A. 4, fws	New Bern
Beaudry, Charles Frederic, C. 1, fws	Cortland, N. Y.

Beaudry, John Edward, A. 3, fws	Cortland, N. Y.
Beebe, Howard Ward, C. 2, fs	Brooklyn, N. Y.
Behringer, William John, A. 1, fw	Jamaica, N. Y.
Bell, Bates Warren, C. spec., fws	Washington, D. C.
Bell, J. M., Ed. 1, fws	Troy
Bell, Malcolm, Jr., Ci. E. 1, fws	Savannah, Ga.
Bell, Marshall Cornett, Ed. 2, fws	Murphy
Bell, Thomas Reynolds, A. 1, fws	Rockingham
Bell, William McRae, A. 4, fw	Rockingham
Bender, Frank Taylor, Ed. 3, fws	Polloksville
Bendigo, Bruce Bressler, A. S. 1, fws	Greensboro
Bendigo, Clare William, A. 3, fws	Greensboro
Benjamin, Abraham, A. 3, fws	Elizabeth, N. J.
Bennett, Harold Kimsey, A. 1, fws	Asheville
Bennett, Mary Alice, A. S. 1, fws	Bryson City
Bennett, Mary Ellen, P. W. spec., f	Decatur, Ga.
Bennett, Millard Holmes, C. 2, fws	Springfield, Mass.
Bennett, Thomas Sheffield, A. S. 2, fw	Wadesboro
Benoit, Henry Bell, Jr., C. 4, fws	Charlotte
Benton, George Ruffin, Jr., Med. 2, fws	Fremont
Benzing, William Martin, Jr., A, 3, fws	Asheville
Berger, Ernest Emerson, Ci. E. 1, fws	Gatun, Canal Zone
Berke, Lee Harte, A. S. 1, fws	Brooklyn, N. Y.
Bernhardt, Robert Linn, Jr., A. 2, fs	Salisbury
Bernstein, Julius, E. E. 2, fws	Brooklyn, N. Y.
Berry, Edward Thomas, III, A. S. 1, fws	New Bern
Berry, James Orrell, C. 1, fws	Hartsville, S. C.
Berryman, George Robert, Jr., A. 2, fw	Raleigh
Berwanger, Sybille Kahn, A. 4, fws	Raleigh
Bessen, Jack, A. 3, fws	New Rochelle, N. Y.
Best, Glenn Eben, A. S. 3, fws	Chapel Hill
Best, John M., Jr., C. 2, fw	Shelby
Best, Marcellus James, C. 2, fws	Goldsboro
Betts, Henry Alexander, C. 1, fws	Greensboro
Betts, Willard Furman, Jr., A. 1, fws	Raleigh
Bevaequa, Attilio Emilio, M. E. 4, fws	Mt. Vernon, N. Y.
Bichy, Charles Edward, Jr., C. 1, fws	Baltimore, Md.
Bickford, Robert Smith, C. 1, fws	Rome, Ga.
Biddix, Edith Lamar, L. S. 1, fws	Asheville
A.B., North Carolina Col. for Women, 1931	
Biddle, John Kenneth, Jr., Ed. 1, fw	Dover
Biggs, Alexander Graham, Ch. E. 2, fws	Elkin
Biggs, George Henry, C. 3, fws	Wilmington
Binder, John Jacob, III, C. 1, fws	Charlotte
Bines, Carl, M. E. 1, fws	West Bridgeport, Mass.
Bisaner, Edgar Alan, C. 3, fws	Hickory
Bishop, Spencer Reynolds, C. spec., fws	Hartford, Conn.

Bissell, Charles Webber, M. E. 2, fw	Grand Rapids, Mich.
Bissell, Whitner Nutting, A. 4, fws	New York, N. Y.
Black, Fisher Sluffly, E. E. 3, fws	Bryson City
Black, Joseph Green, A. S. 1, fw	Matthews
Black, Nettie Marie, A. S. 3, fws	Mount Holly
Blackhurst, James Watts, C. 2, fws	Baltimore, Md.
Blackman, Noble Granger, Jr., A. 1, fws	Selma
Blackwelder, Barrie Bascom, Jr., A. 2, fws	Hickory
Blackwelder, Frank Winfield, A. 4, fw	Griffin, Ga.
Blackwell, Thomas Winfield, Jr., A. 2, fws	Winston-Salem
Blackwood, Carl Walter, Ed. 4, f	Melvin Hill
Blackwood, Irvin Sigmon, C. 3, fws	Greensboro
Blackwood, Jacob Curtis, Ed. 4, s	Melvin Hill
Blaine, Norman, C. 2, fws	Franklin
Blair, Stanley Redding, C. 4, fw	Trinity
Blake, Alice Berleen, Ed. 4, fw	Hope Mills
Bland, David Henry, A. S. 2, fws	Goldsboro
Blanton, B. Scott, Jr., C. 1, fws	Charlotte
Blanton, George, Jr., M. E. 1, fws	Shelby
Blatt, David Henry, A. 2, fws	Elizabeth, N. J.
Blauman, Gilbert, C. 3, fws	New Rochelle, N. Y.
Bliss, William Merlin, A. 4, fws	Orlando, Fla.
Blodgett, Edward Eveleth, A. 3, fws	Cortland, N. Y.
Blood, Ernest Benjamin, C. 1, fws	Passaic, N. J.
Blount, Robert Fernado, A. 1, fws	Pensacola, Fla.
Blount, William Fisher, A. 2, fws	Pensacola, Fla.
Blue, John Angier, C. 3, f	Aberdeen
Blueglass, George Warren, A. 3, fws	Brooklyn, N. Y.
Blythe, Cloyd Eubanks, Ed. 4, fws	Huntersville
Blythe, Franklin Webb, Ed. 2, fs	Huntersville
Blythe, William Walton, Ed. 2, fws	Huntersville
Bobbitt, Hilliard Fletcher, Ph. 1, fws	Macon
Bodenheimer, Edward Charles, C. 1, fws	Parkton
Bolton, Elizabeth Grier, A. 3, fws	Hendersonville
Bolton, Robert Lewis, Jr., A. 1, fws	Hendersonville
Bond, Charles, Jr., A. 1, fws	Windsor
Boney, Eunice Juniata, Ed. 4, fw	Rose Hill
Bontomase, Jasper Eugene, A. S. 3, fws	Oswego, N. Y.
Boone, Ceasar, A. 2, f	Greensboro
Boone, Edwin Theodore Porter, Jr., A. 3, fws	Lumberton
Booth, William Robert, Ed. spec., s	Polloksville
Bost, William Thomas, Jr., A. 1, fws	Raleigh
Boucher, George Paul, Law 3, fs	Damascus, Va.
A.B., Emory and Henry Col., 1926	
Bowen, Alvin, C. 3, f	Burgaw
Bowman, Howard Graydon, Ed. 4, fws	Statesville
Boyd, Charles Henry, Jr., Ci. E. 4, fws	Leaksville

Boyd, Elizabeth Stedman, A. spec., fws	Halifax
Boyd, Henry Armistead, A. 3, fws	Warrenton
Boyd, Jack Hardee, III, C. 4, fws	Greenville
Boyd, Tempe Burwell, L. S. 1, fws	Warrenton
A.B., Randolph-Macon Woman's Col., 1925	
Boyette, Brandol Lee, C. 4, f	Murfreesboro
Boyette, Staton Edward, C. 2, fws	Smithfield
Boyle, Bryson Irvin, A. 2, fws	Charlotte
Boyle, Clyde Edwin, A. 2, fws	High Point
Boynton, Albert Beeber, Jr., C. 1, fws	High Point
Boynton, John, A. 3, fws	Bristol, R. I.
Boynton, Woodward Leewenworth, A. 4, f	Highland Park, Ill.
Boysworth, Ernest Gaston, A. S. 4, fws	Norwood
Braddock, Walter Burgess, C. 2, f	Waynesville
Brady, Charles Ervin, Ch. E. 1, fws	Salisbury
Brame, Maurice Milam, Ph. 2, fws	Winston-Salem
Branch, John Dunn, C. 4, f	Salisbury
Branch, Patrick Henry, Jr., C. 1, fws	Asheville
Brandt, George Dalton, Jr., Ed. 1, fws	Spencer
Brandt, George Frederick, C. 2, fws	Washington, D. C.
Brantly, James Otis, C. 2, fws	Sanford
Braswell, Randall Lee, Ed. 1, fw	Smithfield
Braswell, William Thomas, Jr., C. spec., fw	Whitakers
A.B., 1931	
Braxton, Dixie Fountain, A. 2, fws	Dover
Bray, Bun Benton, Jr., Ed. 3, fws	Siler City
Breen, Samuel Jefferson, A. 4, fws	Rocky Mount
Bremer, Theodore Walter, Law 1, fs	Wilmington
Brenner, Edward, Ch. E. 3, fws	Hendersonville
Bretsch, Cornelius Beckham, C. 2, fws	Raleigh
Brewer, John Buchanan, C. 2, fws	Rockville, Md.
Brewer, John King, Ci. E. 1, fs	Rocky Mount
Brickman, Evelyn Ruth, A. 4, fws	Brooklyn, N. Y.
Bridger, Henry Clyde, III, A. S. 3, fws	Bladenboro
Bridgers, Henry Clark, Jr., A. 1, ws	Tarboro
Bridgers, James Kelly, E. E. 3, fws	Nashville
Bridgers, William Ashley, A. 4, fws	Wilson
Bridges, Troy Durham, Ed. 2, fws	Boiling Springs
Brisk, Harry Louis, A. S. 1, fws	Atlantic City, N. J.
Britt, Jesse Danford, A. S. 1, fws	Benson
Britt, Walter Thompson, A. 1, fws	Turkey
Broadhurst, Edgar David, Jr., A. 1, fws	Greensboro
Brock, Clifton Henry, C. 1, fws	Erwin
Brooker, Lofton Plunkett, C. 4, fws	Asheville
*Brooks, Aubrey Lee, Jr., A. 3, f	Greensboro
Brooks, E. F., Jr., Ed. 1, fws	Unionville
Brooks, Hayes Allen, C. 3, fws	Falcon

* Died 21 Jan., 1932.

Brooks, Julian Allen, E. E. 2, fws — Peachland
Brooks, Thomas Henry, C. 3, ws — Huntington, W. Va.
Brooks, Thornton Higbie, A. 2, fws — Greensboro
Brookshire, Harley Gaskill, Jr., A. S. 2, f — Asheville
Broughton, Thomas Harrell, A. 2, fws — Dunn
Brower, Irving Clinton, Jr., A. 4, fws — Greensboro
Brown, Albert Curtis, E. E. 2, fws — Concord
Brown, Alexander MacLeod, A. spec., s — Southern Pines
A.B., 1931
Brown, Bernard Francis, A. 3, fws — Middletown, Conn.
Brown, Charles Robert, Ed. 2, fws — Hillsboro
Brown, Clyde Russell, Med. 2, fws — Potecasi
A.B., Trinity Col. (now Duke Univ.), 1919
Brown, Dorothy Anne, L. S. 1, fws — White Stone, Va.
A.B., Col. of William and Mary, 1929
Brown, Earle, Jr., A. 1, fws — Worcester, Mass.
Brown, Elmer Evans, Med. 2, fws — Greensboro
A.B., Davidson Col., 1928
Brown, Eugene Field, C. 4, fws — Hillsboro
Brown, George, A. 3, fws — New York, N. Y.
Brown, George Foster, Jr., C. 2, fws — Midland, Texas
Brown, Gordon Graham, Ed. 4, fws — Selma
Brown, Hershel Gordon, Ph. 2, fws — Efland
Brown, James Arthur, Med. 2, fws — Cleveland
B.S., Davidson Col., 1930
Brown, John Bass, Jr., E. E. 2, fws — Charlotte
Brown, Julia Bates, Ed. 3, ws — Tarboro
Brown, James Madison, C. 1, fws — Charlotte
Brown, Melvin John, C. 2, fws — Jamaica, N. Y.
Brown, Milton Selby, A. 3, s — Washington
Brown, Otway Edward, C. 1, fws — Chapel Hill
Brown, Percy, Jr., A. 1, fws — Charlottesville, Va.
Brown, Peyton Randolph, Ed. 2, fws — Vanceboro
Brown, Theron Renfry, C. 4, fws — Greensboro
Brown, Travis Taylor, Law 3, fs — Charlotte
A.B., 1929
Brown, Vernon Louis, C. 3, fws — Wilmington
Brown, Walter Donald, Ed. 1, f — Boone
Brown, Walter Earle, A. S. 2, fws — Wilson
Browne, Herbert Thompson, Med. 2, fws — Nashville, Tenn.
Brownstein, Sidney, C. 1, f — Louisville, Ky.
Broyhill, Roy Theodore, C. 1, fws — Lenoir
Bruce, Luther Columbus, Jr., A. 1, fws — Winston-Salem
Bryan, James Harry, Jr., Ci. E. 1, fws — Henderson
Bryan, William Dempsey, Jr., E. E. 4, fws — Tarboro
Bryant, Earle Osgood, Ch. E. 4, fws — Clinton
Bryant, George Badger, A. spec., fws — Matthews
Buchanan, Elmer William, Ph. 3, fws — Greensboro

Buchanan, George Wilson, C. 1, fws	Greensboro
Buchanan, Robert Augustus, Ph. 3, fws	Greensboro
Buckles, Isabelle Eliza, A. 1, fws	Durham
Buckles, Virginia Elizabeth, A. 1, fws	Durham
Budd, Stacy Oby, A. S. 2, fws	Mt. Vernon Springs
Buie, John McNair, C. 4, fws	Wagram
Bullitt, Margaret Randolph, L. S. 1, s A.B., Smith Col., 1928	Chapel Hill
Bunch, Luther Elmo, Ph. 2, fws	Edenton
Bundy, Vivian Mayo, Ed. 1, fws	Falcon
Bunn, James Harry, Jr., A. 3, fws	Henderson
Bunn, James Pettigrew, Jr., Med. 1, fws	Battleboro
Bunn, Richard Speight, A. S. 1, fws	Battleboro
Bunting, Jesse Dowell, Ph. 1, fws	Robersonville
Burch, Lacy David, Ed. 3, s	Chapel Hill
Burch, William Albert, Jr., Ci. E. 3, fws	Danville, Va.
Burch, William Andrew, Ed. 1, f	Spencer
Burke, James Edwin, Ci. E. 1, f	Goldston
Burkehart, Belvin Clarence, C. 1, f	Lexington
Burnett, Joseph Henry, Jr., A. 1, fws	Macon, Ga.
Burnett, Robert Trafford, M. E. 4, fws	Tryon
Burroughs, John Kredel, A. 3, fws	Savannah, Ga.
Burroughs, Mary, A. 4, fs	Savannah, Ga.
Bush, Robert Edwin, Ed. 1, fws	So. Charleston, W. Va.
Bushnell, Samuel Henry, Jr., C. 1, fws	Waynesville
Butler, Carmen Malet, C. 3, fws	Roseboro
Butler, Edwin Elliotte, Law 2, fs	Clinton
Butler, John Frederic, A. 1, fws	Washington
Butler, James Percy, A. S. 2, fws	Portsmouth, Va.
Butler, June Rainsford, P. W. spec., w	Chapel Hill
Butler, Paul Caraway, A. 3, fw	Liberty
Bynum, Seny, A. S. 3, fws	Chapel Hill
Bynum, William, A. 2, fws	Asheville
Byrd, Jack Blackwell, A. 2, fws	Darlington, S. C.
Byrd, William Bryan, Ed. 3, fws	Bunn Level
Cadmus, Richard Carroll, E. E. 4, fws	Baltimore, Md.
Cain, Frederick Caldwell, Ci. E. 3, fws	Canton
Caldwell, Leazor McCorkle, A. S. 2, fws	Concord
Callahan, John Williams, Jr., C. 1, fws	Raleigh
Calloway, Henry Walter, Jr., A. 2, fws	Concord
Cameron, Charles Brantley, A. 2, fw	Raeford
Cameron, Clarence Paul, A. S. 3, fws	Fayetteville
Cameron, Melvin Turner, Ed. 2, fws	Cameron
Cameron, Thomas Clifton, Ci. E. 1, fws	Southern Pines
Campbell, Elbert K., Ph. 1, f	Parkton
Campbell, Frank Bainbridge, Law 3, s A.B., Hobart Col., 1917	Binghamton, N. Y.

Campbell, Hugh Brown, Law 3, f — Lakewood, Ohio
A.B., Amherst Col., 1929
Campbell, Malcolm Arthur, Jr., C. 2, f — Raeford
Campbell, May E., P. W. spec., fws — Draper
Campbell, Thomas Judd, C. 4, fws — Lake Wales, Fla.
Campbell, Malcolm Arthur, Jr., C. 2, f — Raeford
Campbell, William Murph, Jr., C. 1, fws — Burlington
Campen, Hal Grey, C. 1, fws — Council
Campen, Tolar Brisben, C. 3, f — Council
Candler, Mabrye Rachel, Ed. spec., s — Candler
B.E., Asheville Normal School, 1931
Cannon, Jack, Ch. E. 1, fws — New Bern
Cannon, Joseph Archie, Jr., Law 2, fs — Concord
B.S. in Comm., Davidson Col., 1931
Cannon, Martin Luther, Jr., A. 2, fws — Charlotte
Cantrell, Clyde Hull, A. 3, fws — Charlotte
Capehart, George Washington, Jr., C. 2, fws — Windsor
Capps, Frank, L. S. 1, fws — Raleigh
B.S., N. C. State Col. of A. and E., 1928; M.S., *ibid.*, 1929
Carawan, Henry Francis, C. 1, fws — Mesic
Caraway, George Dewey, C. 4, fws — Snow Hill
Carland, Eugene, Jr., E. E. 2, fws — Asheville
Carlisle, Frank Mehegan, Jr., E. E. 2, fws — Tarboro
Carlton, Luther Montrose, Jr., C. 1, fws — Roxboro
Carmichael, Cecil Kenneth, C. 2, fws — McDonald
Carmichael, Dougald Malcolm, Ed. 4, fws — Polloksville
Carmichael, Robert Harlee, C. 3, fws — New York, N. Y.
Carpenter, John Graham, Jr., C. 1, fws — Gastonia
Carr, Alpheus Branch, A. 4, fw — Wilson
Carr, Bryan Whitfield, C. 1, fws — Wilson
Carr, Claiborn McDowell, Jr., A. 2, fws — New York, N. Y.
Carr, Chalmers Rankin, Med. 1, fws — Mooresville
A.B., Davidson Col., 1928
Carr, Frederick Louis, Jr., Law 2, fs — Wilson
Carr, William Gray, C. 4, s — Wilson
Carraway, Arthur Oakley, C. 3, fws — Snow Hill
Carroll, Thomas Sterling, C. 2, f — Apex
Carruth, James Robert, A. S. 2, fws — Arlington, N. J.
Carson, Merl John, A. S. 2, fws — Wilmington
Carson, Walter Charlton, C. 1, fws — Savannah, Ga.
Carter, Mary Anderson, Ed. 4, ws — Fayetteville, Tenn.
Carter, Marye Elizabeth, Ed. 3, fws — Mars Hill
Carter, Paul Stuart, A. 4, fws — Bridge Hampton, N. Y.
Carter, Shirley Reneigh, A. spec., f — Duffield, Va.
Cartland, Edwin Douglas, A. 2, fws — Greensboro
Cartoof, Harry, A. 1, f — Dorchester, Mass.
Casas, Oscar Robert, A. 1, f — Havana, Cuba
Case, Wallace Talmadge, C. 4, fws — Southern Pines
Cassada, Harry Halleck, C. 3, fws — Littleton

Castlebaum, Ellsworth L., A. 1, fws	Newark, N. J.
Castro, Ernest Gerald, Law 1, fs	Cardenas, Cuba
Cate, Arlindo Sanders, Jr., A. 3, fws	Greensboro
Catena, Louis Robert, A. S. 1, fws	Newark, N. J.
Cates, Clarence Coleman, Law 3, fs A.B., 1930	Burlington
Cates, Jack Hue Scott, A. 1, fws	Burlington
Cates, Walter Thurston, A. 1, fws	Burlington
Cato, Alma Odeska, Ed. 4, f	Chester, S. C.
Caudle, Arlyss Frank, Ph. 2, fw	Randleman
Chaconas, Thomas James, A. 4, fs	Washington, D. C.
Chadwick, Walter Webb, Ed. 1, f	Kinston
Chamberlain, Richard Mitchell, Law 2, fs	Winston-Salem
Chamberlin, Harmon Paine, A. 3, fws	Worcester, Mass.
Chambers, William Utley, C. 1, fw	Mt. Olive
Chandler, George Wallace, Jr., C. 2, ws	Winston-Salem
Chandler, Pansy Adeline, Ed. 4, fws	Walnut
Chandler, Stuart McVeigh, Ed. 3, fws	Durham
Chaoush, Eugene G., A. 3, fws	Springfield, Mass.
Chapel, Louis Doyle, Ed. 1, fws	Winston-Salem
Chapin, Roy Bartlett, A. 2, fws	Greenfield, Mass.
Chapin, William Burdette, Jr., Ed. 2, f	Pittsboro
Chapman, Henry Clay, Ph. 2, fws	Dover
Chapman, James Kenneth, Ph. 2, f	Womelsdorf, Penna.
Chatham, Richard Gwyn, C. 1, fw	Elkin
Cheek, Aubrey Mebane, A. 2, fw	Durham
Cheek, Ralph Bryant, Ed. 2, ws	Sparta
Cherry, Lester Thomas, C. 2, fw	Washington
Childers, William Odell, A. 1, fws	Rockingham
Choate, Page, E. E. spec., f	Salisbury
Chrisco, Otis Lindo, Ed. 2, f	Badin
Clapp, Ernest Bernard, Ph. 3, fws	Greensboro
Clark, Albert Leslie, M. E. 1, fws	Williamston
Clark, Claude Baxter, Jr., A. S. 3, fws	Williamston
Clark, Franklin St. Clair, A. spec., fws	Fayetteville
Clark, Heywood Ashley, C. 2, f	Hempstead, N. Y.
Clark, Samuel Gordon, Ph. 2, fws	Pittsboro
Clary, Morris Shaw, Ed. 4, fws	Rosemary
Clayton, Edward Lewis, C. 2, f	Tarboro
Cleland, Thomas Montgomery, A. 4, w	New York, N. Y.
Clifford, James Henderson, C. 2, fws	Statesville
Clifford, William Henderson, C. 1, f	Dunn
Clinard, John Wilson, Jr., C. 4, fws	High Point
Cline, Augustus Lynch, C. 1, fws	Granite Falls
Cline, Martin Luther, Ph. 2, ws	Granite Falls
Cloud, Curtis Lowe, M. E. 1, fws	Hamlet
Cloud, Ernestine, L. S. 1, fws A.B., Winthrop Col., 1931	Rock Hill, S. C.

Coates, Nancy Elizabeth, Ed. 2, s	Chapel Hill
Cobb, Clarence Harper, Ph. 2, fws	Fremont
Cobb, Whitfield, Jr., A. 2, fws	Winston-Salem
Coble, Harry White, A. 2, fws	Douglas, Ga.
Coble, James Clifford, Ph. 3, fws	Snow Camp
Coble, Lane Columbus, A. 1, fws	Albemarle
Cochrane, Arthur Linwood, Jr., Ph. 3, fws	Weldon
Cochrane, Graham Clarke, C. 4, fs	Greensboro
Cockerham, Zebulon Vance, Ed. 3, fws	Mt. Airy
Coffield, Ben Davis, A. S. 3, fs	Columbia
Coffin, Edwin Wilson, A. 1, fws	Chapel Hill
Cohen, Arthur Albert, M. E. 2, fws	Scranton, Penna.
Cohen, Lee, A. 4, fws	Brooklyn, N. Y.
Cohen, Raymond, C. 4, fws	Henderson
Cohen, Ronald Huffman, A. 2, ws	Glen Rock, N. J.
Cohen, Solomon Paul, A. 4, fws	Ozone Park, N. Y.
Coker, Coit McLean, A. 1, fws	Chapel Hill
Coker, Robert Ervin, Jr., A. 4, fws	Chapel Hill
Coleman, William Jesse, Ed. 2, fws	Wilson
Coleman, William Rose, C. 2, fws	Rocky Mount
Collett, Noah Webster, C. 2, fws	Salisbury
Collette, Roy Wilson, Ph. 1, fws	Cana
Collier, Walter Ennis, Jr., C. 3, fws	Baltimore, Md.
Collins, Benjamin Perry, A. 3, fws	Washington, D. C.
Collins, Robert Daniel, Jr., Ed. 1, fw	Franklinton
Colucci, Emil Silvan, A. 2, fws	Lima, Ohio
Colvard, Benjamin Hamilton, Jr., A. S. 1, fws	North Wilkesboro
Colyer, Howard Lawrence, A. 2, fws	Floral Park, N. Y.
Colyer, Robert Fairlie, C. 2, fws	Jacksonville, Fla.
Comer, Donald, Jr., E. E. 1, fw	Birmingham, Ala.
Comer, James Thomas, C. 3, fws	Huntersville
Compton, James Allen, A. 1, w	Chapel Hill
Conklin, Donald Rouse, Ed. 3, ws	Cazenovia, N. Y.
Connally, Walter Eugene, Jr., A. 4, fw	Leasburg
Connor, Henry Groves, Jr., A. 2, fws	Wilson
Conrad, Edward Victor, A. 4, fws	West Orange, N. J.
Cook, James Filmore, Jr., A. 2, fws	Lenoir
Cook, Joel Lawrence, C. 4, fws	Fayetteville
Cook, James Sion, Jr., A. 1, fws	Graham
Cook, Olan Victor, L. S. 1, fws	Lenoir
A.B., 1929	
Cooke, Donald Parkhurst, C. 4, fws	Gardiner, Maine
Cooper, John Phil, A. 4, f	Raleigh
Coote, Edwin Joseph, A. 2, fws	White Plains, N. Y.
Cope, Ansley, C. 2, fws	Savannah, Ga.
Cope, James Eppinger, C. 1, fws	Savannah, Ga.
Copeland, Madeline, L. S. 1, fws	Durham
A.B., North Carolina Col. for Women, 1927	

Coppolo, Patrick John, A. 1, f	Mount Vernon, N. Y.
Cordle, Joseph C., E.E. 2, fws	Greensboro
Cordle, Thomas Llewellin, E. E. 3, fws	Greensboro
Cordon, James Telfair, A. 1, fws	Pittsboro
Cornwall, Charles Costner, M. E. 4, fws	Winston-Salem
Cornwell, George Thomas, A. S. 4, fws	Lawndale
Correll, Mary Lillian, A. 3, fs	Chapel Hill
Costi, Philip Edward, A. S. 2, fws	Rome, N. Y.
Cothran, Frank Harrison, Jr., M. E. 1, f	Charlotte
Couch, Joseph Herbert, C. spec., s	Chapel Hill
Council, Claude Douglas, C. 1, s	Chapel Hill
Covington, Richard Dozier Lee, C. 3, fws	Norfolk, Va.
Covington, William Thomas, Jr., Law 3, fs A.B., Davidson Col., 1927	Raeford
Cowhig, Robert Kelley, M. E. 3, fws	Charlotte
Cowhig, William Matthew, Jr., C. 1, fws	Charlotte
Cowper, Albert Wallace, A. 3, fws	Kinston
Cox, Albert Dewey, Ed. 2, fws	Denton
Cox, Albert Lyman, Jr., C. 1, fws	Raleigh
Cox, John Hulon, A. S. 2, fws	Winston-Salem
Cox, Joseph Monte, A. 2, fws	Laurinburg
Cox, James Roosevelt, Ed. 3, ws	Asheboro
Cox, Marshall Rudolph, Jr., Ed. 2, fws	Staley
Cozart, Sydnor Moye, C. 4, fws	Wilson
Craig, David Jenkins, Jr., Law 3, fs A.B., 1930	Charlotte
Craig, Donald Winston, E. E. 2, fw	Windsor
Craig, Elsa Snowden, L. S. 1, fws A.B. in Educ., 1931	Chapel Hill
Craig, Irvin Montgomery, Jr., Ci. E. 2, f	Wilmington
Cramer, Carl Delbert, C. 1, ws	Carbondale, Penna.
Crane, George Levering, A. 2, fws	Ann Arbor, Mich.
Cranford, Odell Lambeth, Ed. 1, fw	Asheboro
Cranford, Samuel Davis, Ed. 2, fw	Asheboro
Crawford, Abraham Craig, Ed. 2, fws	Chapel Hill
Crawford, John Arthur, A. 3, fws	Chapel Hill
Crayton, Paul Washington, C. 1, f	Greensboro
Creech, Leonard Ralph, Ph. 2, fws	Smithfield
Crenshaw, Annie Lou, Ed. 4, fws	Monroe
Creuser, Kent, Law 1, f A.B., 1931	Brooklyn, N. Y.
Crews, Charles Franklin, Jr., A. 3, fws	Greensboro
Crissman, Uba Frank, Ph. 2, fws	High Point
Cromartie, Alan Simpson, Jr., A. 2, fw	Fayetteville
Croom, James Dallas, Jr., C. 3, fws	Maxton
Croom, Woodrow, C. 1, f	Burgaw
Croom, William David, Jr., C. 3, fws	Burgaw
Crots, Raymond Charles, A. S. 2, f	Asheboro

Crouch, Frederick Pfohl, Ed. 2, fws — Winston-Salem
Crouch, William Stanford, Ph. 3, fws — Spray
Crowell, Alton Walter, A. S. 3, fws — Richfield
Crowell, Frank Hull, A. 2, fw — Lincolnton
Crowell, Robert Humphrey, A. 1, fws — Rahway, N. J.
Crum, Charles Frederick, E. E. 2, f — Gatun, Canal Zone
Crum, Ralph Snediker, A. 2, fws — Gatun, Canal Zone
Crumpler, Leonard Hycienth, Ph. 1, ws — Roseboro
Crutchfield, Jack Billings, Ch. E. 2, fws — High Point
Crutchfield, Javan Lanier, Ci. E. 2, fws — Greensboro
Crutchfield, William Thomas, Ed. 4, fws — Greensboro
Culbreth, Frederick Malcolm, A. 2, fws — Raeford
Culbreth, Walter Hartwell, A. S. 3, fws — Raeford
Culpepper, Edwin Murphey, Ed. 3, fws — Elizabeth City
Culpepper, Orville Park, A. 4, fws — Greenville, Ga.
Culvern, Frederick Eugene, Ci. E. 2, fws — Charlotte
Culvern, Robert Mickle, Ci. E. 3, fws — Charlotte
Cummings, Zebulon Conyers, Jr., C. 2, fws — Tarboro
Curl, Andrew Otho, Jr., C. 3, fws — Creedmoor
Curlee, Edmund Lane, Law 3, f — Burlington
Curlee, Thomas Haywood, Ed. 1, fws — Ansonville
Currie, George Hendon, Jr., C. 2, fws — Clarkton
Curry, Clayton Smith, Ph. 2, fws — Lexington
Curtis, Marian Makepeace, L. S. 1, fws — Greensboro
A.B., Greensboro Col., 1931
Cutchin, James McKinney, III, Ed. 2, f — Whitakers
D'Alemberte, James Herron, Jr., C. 2, fws — Pensacola, Fla.
Daggett, Parker Hayward, Jr., C. 2, fws — New Brunswick, N. J.
Dail, Harry, C. 1, f — Winterville
Dailey, Richard Maurice, Ci. E. 2, fws — Hatteras
Dalton, Lacy Augusta, Law 1, fs — Red Springs
Dalzell, Robert Reeves, Ed. 2, fws — West Somerville, Mass.
Dameron, Emerson Penn, Law 1, fs — Clinton
Daniel, Adrian Nathan, Jr., Ci. E. 4, fws — Wilson
Daniel, David Allen, A. 1, fws — Charlotte
Daniel, Erasmus Alston, Law 1, fs — Washington
Daniel, Elbert Clifton, Jr., A. 3, fws — Zebulon
Daniel, John Wallace, Ed. 3, fws — Weldon
Daniel, John Wilson, Jr., C. 4, f — Charlotte
Daniels, Martha Lucinda, A. S. 1, fws — Swampscott, Mass.
Daniels, Oscar Carroll, Jr., A. S. 3, ws — Oriental
Dannenbaum, George, C. 4, fw — Wilmington
Darden, Allen Carr, C. 1, fws — Ayden
Darden, Benjamin Augustus, Jr., Ed. 4, fw — Fayetteville
Daughtridge, Ulyss, C. 3, fw — Rocky Mount
Davis, Alfred Clements, C. 1, fws — Hillsboro
Davis, Archibald Kimbrough, A. 3, fws — Winston-Salem
Davis, Benjamin Cummings, A. 2, f — Pinetops

Davis, David Boyd, C. 3, f	Raleigh
Davis, Gus Obie, A. S. 4, fws	Omaha, Texas
Davis, George Thomas, Law 3, fs	Lake Landing
Davis, Jefferson, Med. 2, fws	Waxhaw
Davis, Joseph Holmes, Jr., A. 4, fws	Wilmington
Davis, John Otis, C. 2, fw	Wilmington
Davis, John William, C. 2, fw	Tarboro
Davis, Lonnie Lee, E. E. 1, fws	Lexington
Davis, Lynn Reeves, C. 2, fw	Greensboro
Davis, Marvin Lee, Ph. 1, fws	Conway
Davis, Oscar Fitzgerald, C. 2, f	Raleigh
Davis, Paul Plato, C. 1, fws	Goldsboro
Davis, Paul Wymdna, Jr., A. 1, f	Walnut Cove
Davis, Robert Dorsey, C. 3, fws	High Point
Davis, Thomas Pittman, C. 4, fws	Roanoke, Va.
Davis, William Emerson, Jr., E. E. 2, fws	High Point
Davis, William Harris, Jr., A. S. 3, fw	Asheville
Davis, Warren Thomas, Jr., Ed. 3, fws	Hot Springs
Dawes, William Redin, A. 2, fws	Rocky Mount
Dawson, James Baxter, Jr., A. 4, fws	New Bern
Dayvault, Rodgers Edward, A. S. 1, fws	China Grove
de Graffenreid, Elwyn, A. spec., fw	Atlanta, Ga.
DeHart, Clifford Rae, Ed. 2, fws	Stoneville
DeLaney, Martha McGill, A. 4, fw	Charlotte
DeNoia, John, Ed. 1, fws	Rome, N. Y.
DeRose, Anthony John, A. 2, fs	Brooklyn, N. Y.
DeVane, Richard Reed, A. 1, fws	Fayetteville
DeWolfe, Daniel Charles, Jr., A. 4, fws	Monroe, Conn.
Deal, Willard McCree, C. 1, fws	Stony Point
Deans, Ernest Vick, Jr., Ed. 3, fws	Selma
Deans, John Lacy, Ed. 2, fws	Selma
Deans, Stephen Grady, A. S. 1, fws	Wilson
Delbaum, Jack Chaucer, A. 2, fws	Brooklyn, N. Y.
Dellinger, Carl Graham, A. 1, fws	Shelby
Dellinger, Flay Grigg, E. E. 3, fws	Cherryville
Dellinger, John Huit, A. S. 2, fws	Shelby
Dennis, Carl William, A. spec., f	Statesville
Dennis, Joseph Howard, Ed. 2, fws	Statesville
Dent, Thomas Henry, A. 1, f	Douglas, Ga.
Devereux, James Isham, Law 1, fs	Charlotte
Di Costanzo, Nestore, A. 1, fws	Rochester, N. Y.
Diamond, Kolman Norman, A. 1, fws	Bath Beach, N. Y.
Dibblee, Abbott Lougheed, C. 1, fws	Hempstead, N. Y.
Dickson, Glenn Simmons, Med. 1, fws	Helton
Dildy, Louis Thomas, Jr., C. 1, fws	Wilson
Dill, Alonzo Thomas, Jr., A. 1, fws	New Bern
Dillard, John Richardson, C. 2, fws	Philadelphia, Penna.

Dinstman, Joseph, A. 2, fws — New York, N. Y.
Ditch, Morris, A. 1, fws — Mattapan, Mass.
Dixon, Henry Thomas, E. E. 1, f — Wilmington
Dixon, James Glenn, Ed. 3, ws — Mt. Vernon Springs
Dixon, William Nelson, Jr., C. 3, fws — Winston-Salem
Doar, Joseph Graham, Ed. 2, f — Charlotte
Dobosh, Gabriel Edward. A. S. 2, fws — Nesquehoning, Penna.
Dockery, Alfred Settle, Ed. 2, fws — Rockingham
Dockery, Nicholas West, A. S. 4, fw — Rockingham
Dodd, Claire Alpen, A. spec., fws — Menlo, Ga.
A.B., Univ. of Ga., 1929
Dodge, Glennes Worthen, A. 3, fws — Southern Pines
Dodson, Roland Albert, A. 3, fw — Hillsboro
Donnell, George Stratford, C. 3, fws — Wilmington
Donnelly, John Franklin, Ed. 4, fws — Trade, Tenn.
Doran, John Howell, C. 2, fws — Charlotte
Dorfman, George, C. 2, fws — Brooklyn, N. Y.
Dorsett, Frank Wilbur, A. 2, fws — Spencer
Dossenbach, Frederick, Jr., A. 1, fws — Leonia, N. J.
Doty, Harrison Parmelee, A. 2, f — Wyomissing, Penna.
Doubles, James Arthur, Jr., Ed. 1, fws — Greensboro
Dougherty, John Henry, Med. 2, fws — Asheville
A.B., 1930
Doughton, James Emmett, A. S., 2, w — Sparta
Douglas, Stephen Arnold, C. 1, fws — Greensboro
Douglas, William Berryman, Med. 1, fw — Florence, S. C.
Douglass, Andrew Ellicott, C. 4, fw — Brandon, Vt.
Douthit, James Vernon, C. 3, fw — New London
Downing, Carl Duncan, Law 1, fs — Fayetteville
Drago, Samuel Frank, A. S. 3, fws — Jackson Heights, N. Y.
Drane, Robert Brent, C. 1, fws — Charlotte
Draper, Harold Marriott, Jr., C. 1, ws — Greensboro
Draper, William Franklin, A. 4, fws — Charlotte
Dresslar, Oscar Welborne Howland, C. 4, fws — Nashville, Tenn.
Dudley, Ellis, C. 3, fws — New York, N. Y.
Dudley, Jane, A. spec., f — Pleasantville, N. Y.
Dudley, Leland Augustus, A. S. 2, fws — Lake Landing
Dudley, William Garland, Jr., Ph. 2, ws — Reidsville
Duflock, William George, A. spec., fws — Savannah, Ga.
Duke, Alta McVay, Ed. 1, fw — Chapel Hill
Duls, James Moore, E. E. 4, fws — Charlotte
Dunbar, Aubrey Windley, M. E. 4, fws — High Point
Duncan, Grace Wilson, L. S. 1, fws — Chapel Hill
A.B., 1928
Duncan, Graham Washington, Jr., A. 1, fws — Beaufort
Duncan, Owen Edgar, C. 4, f — North Wilkesboro
Dungan, Jack Elwin, A. 4, fws — Sioux Falls, S. D.

Dunlap, John Cranford, A. S. 2, fws	Dunlap
Dunlap, Joseph Paul, Ed. 2, fs	Siler City
Dunn, Frank Hughes, C. 3, fws	New Bern
Dunn, Leon Algernon, Ph. 1, w	Ayden
Dunn, Mark Stevenson, A. 1, fws	New Bern
Dunn, William, Jr., Law 2, fs A.B., 1931	New Bern
Dupree, Franklin Taylor, Jr., Ed. 3, fws	Angier
Durand, Robert Yale, C. 3, ws	Asheville
Durham, Elizabeth Jane, A. 2, fws	Chapel Hill
Durham, Junius West, Ed. 3, fws	Pittsboro
Eagles, Joseph Colin, Law 1, fs A.B., 1931	Wilson
Eagles, Richard Lowman, Ed. 3, fws	Fountain
Eason, Donald Haines, A. 1, fs	New York, N. Y.
Easter, John Earle, C. 1, fws	Lexington
Eaton, Joseph Wittington, Med. 2, fws	Goffstown, N. H.
Echerd, Jones Worth, A. S. 2, f	Hickory
Eddleman, Thomas Stricker, Med. 1, fws	Blue Bell, Penna.
Eddleman, William Roseman, A. 2, fws	Gastonia
Edelson, Aaron Wolfe, A. 1, fw	New York, N. Y.
Edelson, Edmond Krasner, A. S. 1, fws	Newark, N. J.
Edgerton, Charles Newton, C. 1, fws	Goldsboro
Edmondson, Frank, Jr., A. S. 2, fws	Tarboro
Edwards, Jesse Paul, Ed. 4, fws	Spray
Edwards, John Schnell, A. 4, fws	St. Louis, Mo.
Edwards, Val, A. 3, fws	Asheville
Efland, Simpson Lindsay, Ed. 2, fws	Efland
Egan, Edward Gundrum, A. S. 3, fws	Irvington, N. J.
Egerton, William Gaston, Jr., Ed. 4, fws	Mill Springs
Ehrhardt, Herbert Wilson, Jr., A. S. 2, fws	Pinehurst
Ehringhaus, John Christopher Blucher, Jr., A. 1, fws	Elizabeth City
Eisenberg, Leonard, A. 3, fws	Winston-Salem
Eisner, Joseph, A. 3, fws	Brooklyn, N. Y.
Eldridge, Charlotte Elizabeth, Ph. 1, fws	Benson
Elkins, Robert Lee, Jr., C. 2, fws	Liberty
Elledge, Charles Cowles, Ed. 4, fws	Champion
Ellington, Alfred Jackson, C. 3, f	Madison
Elliott, Guelda Hillyard, A. spec., fw	Chapel Hill
Ellis, Albert Joseph, C. 1, fws	New Bern
Ellis, George Floyd, Ed. 1, f	Spruce Pine
Ellisberg, Bernard Elias, C. 3, fws	Raleigh
Emerson, Henry McQueen, C. 1, fws	Wilmington
Emory, Mary Dortch, Ed. 4, f	Chapel Hill
Engstrom, Alfred Garvin, A. 3, fws	Belvidere, Ill.
Enloe, William Alfred, Jr., C. 2, fws	La Fayette, Ga.

Entwistle, John Walter Covington, A. 2, fws	Rockingham
Epstein, Aaron Meyer, E. E. 1, f	Goldsboro
Erb, Irvin Elsworth, Law 1, fs	Harrisburg, Penna.
Errico, Frank John, A. S. 3, fws	Hillbrun, N. Y.
Erwin, Henry Emerson, Jr., A. 1, fw	Brevard
Erwin, Walter Clark, M. E. 1, fws	Morganton
Esbinsky, Leo, A. 2, fws	New York, N. Y.
Eskola, Cecil Toiro, Ci. E. 1, fw	Jersey City, N. J.
Eskridge, Alfred Green, C. 1, fws	Shelby
Esposito, Frank Amel, C. 2, fws	Baldwin, N. Y.
Estridge, James Clayton, A. 1, fws	Mt. Holly
Evans, Charles Baisden, A. S. 2, fws	Fort Valley, Ga.
Evans, Monroe Ernest, E. E. 1, fws	Fayetteville
Evans, Thomas Clancy, Jr., E. E. 3, fws	Charlotte
Evans, William John, C. 1, fws	Fayetteville
Everett, Malcolm Edwin, Jr., A. 1, fws	Macon, Ga.
Ewart, Mary Aileen, A. 4, fws	Hinton, W. Va.
Ewbank, Ernest Wyttenbach, Law 2, fs	Hendersonville
Ewing, Sallie Mae, Ed. 3, ws	Mt. Gilead
Ezzell, Delton Harris, Ch. E. 2, f	Magnolia
Faires, Thomas Erskine, C. 4, fw	Charlotte
Faison, William King, C. 1, fws	Faison
Farabee, Charles Roscoe, Md. 2, fws	Lexington
Farmer, Charles Martin, A. 4, ws	Wilmington
Farmer, William Floyd, Ph. 1, fws	Spring Hope
Farmer, William Woodard, A. S. 2, fws	Wilson
Farr, James Bailey, C. 2, fws	Bryn Mawr, Penna.
Farrell, Joseph Gaston, Jr., E. E. 1, fws	Leaksville
Farrell, Octavius Wilson, A. 1, fws	Mebane
Farrell, Robert, C. 4, fws	Aberdeen
Farris, Jack Brodie, C. 4, fw	Charlotte
Farris, Ray Simpson, Law 2, fs	Charlotte
Farthing, James Colly, C. 1, f	Lenoir
Fathman, James Selden, A. 2, fws	St. Louis, Mo.
Faucette, Clifton Robert, Jr., C. 1, fws	Burlington
Feimster, Marshall Yount, Law 1, fs	Newton
Feinstein, Marcus, C. 1, fws	Haddonfield, N. J.
Feinstein, Moe Solomon, A. 1, fws	Brooklyn, N. Y.
Felmet, David Brown, C. 3, fws	Waynesville
Felton, Lankford Joseph, C. 4, fws	Eure
Felts, James Rone, Jr., Ci. E. 2, fw	Charlotte
Fenker, Richard Matlus, A. 3, ws	Nashville, Tenn.
Fennell, Kathleen Ellen, A. 4, fws	Quinton, Va.
Ferebee, Emmett Crews, Ed. 3, fs	New Bern
Ferebee, James Lumsden, Jr., Ci. E. 4, fws	Milwaukee, Wis.
Ferguson, Edward Benjamin, Jr., A. 3, fs	Greenville

Ferguson, Maurice C., Ed. 2, fws	Leaksville
Ferguson, Mary Virginia, C. 4, fws	Waynesville
Ferguson, Robert Thrift, Jr., E. E. 1, fws	Charlotte
Ferrell, Joseph Franklin, Ed. 3, fws	Elizabeth City
Ferrell, Roy Lee, A. 1, fw	Rosemary
Fieldman, George Martin, A. 2, fws	Elizabeth, N. J.
Fields, Theo., Ed. 1, fws	Chapel Hill
Finch, Harry Clinton, A. 4, fws	Wilson
Finch, William Curtis, Ed. 1, fws	Henderson
Finger, Richard Bryan, Ed. 2, fws	Hickory
Finkel, Oscar, Ci. E. 1, f	Mattapan, Mass.
Finkelstein, Louis, A. S. 2, fws	Newark, N. J.
Fiore, Angelo Ralph, A. S. 1, fws	Atlantic City, N. J.
Firey, Margaret Ritter, C. 2, fws	Kinston
Fischer, John Louis, E. E. 4, fws	Newark, N. J.
Fisher, Carl Hilbert, A. 4, fws	Salisbury
Fisher, Ernest Woodrow, A. S. 3, fws	Bushnell
Fisher, Kenneth Frank, C. 2, f	Washington, D. C.
Fitzgerald, William Claude, Jr., Ed. 3, fws	Stanley
Fixel, Irving Edwin, A. 2, fws	New York, N. Y.
Fleet, Mary Louise, L. S. 1, fws A.B., Col. of William and Mary, 1930	Richmond, Va.
Fleishman, Alfred Milton, A. 1, fws	Marion, S. C.
Fleming, Ralph Gibson, A. S. 3, fws	North Side
Fleming, Samuel Wallace, A. 4, fw	Jamesville
Fleming-Jones, Robert McBryde, C. 3, fws	Las Cruces, N. M.
Fletcher, Charles Beale, Ed. 1, fws	Fletcher
Fletcher, Lucy Twitty, A. 4, fws	Asheville
Flinn, Lawrence, A. 4, fws	Chapel Hill
Flusser, Bertram Arthur, A. S. 3, fws	New York, N. Y.
Flynt, Romulus Hoke, A. 3, fws	Winston-Salem
Folger, Charles Lee, A. 2, s	Dobson
Folger, Lee Alphonso, Jr., A. 1, fws	Charlotte
Follin, Thomas Barber, C. 4, fw	Winston-Salem
Fonvielle, Edward Moseley, A. 4, fws	Wilmington
Fonvielle, Isaac Brice, A. S. 1, fws	Henderson
Fordham, Woodrow Manay, Ph. 1, fws	Greensboro
Forgang, Harold Jack, A. 2, fws	Newark, N. J.
Forrest, Stephen Caldwell, C. 2, fws	Efland
Foster, Robert Flavel, C. 2, f	Wilmington
Foster, Ray Wilson, E. E. 2, fws	Asheville
Fountain, Lawrence H., A. 2, fws	Tarboro
Fox, Dennis Bryan, A. S. 2, fws	Randleman
Fox, Marcus Oren, A. S. 1, f	New Hope
Fox, Portland, A. S. 2, fws	New Hope
Foxx, Clarence David, Ed. 3, fws	Troutman

Fraley, Frederick Franklin, A. S. 2, fw	Woodleaf
Frankel, Julian Carter, C. 2, fws	New York, N. Y.
Franklin, George Cooper, A. 1, fws	Asheville
Franklin, Roy Wade, Med. 1, fws	Raleigh
Franklin, Sydney, Ci. E. 2, fws	Brockton, Mass.
Franklin, Worth Hundley, Ch. E. 1, fws	Raleigh
Frasier, Harry Glenn, Ed. 3, fws	Sanford
Frazer, Benjamin Barber, C. spec., fws	Buffalo, Ala.
Frazier, Cicero Albert, Jr., C. 2, fws	Mooresville
Frazier, Richard Vann, E. E. 2, fws	Greensboro
Freedland, Jake, A. S. 2, fws	Wilmington
Freeman, Claude Quarterman, C. 1, fws	Raleigh
Freeman, Ernest Thomas, Jr., C. 1, fws	Troy, Ala.
Freeman, Junius Gerald, Jr., A. S. 1, fws	Bladenboro
Freeman, Robert Belmont, Ed. 3, fws	Ellerbe
Freeze, William Preston, Law 1, f	Hendersonville
Freiberg, Milton, A. 4, fws	Brooklyn, N. Y.
Friedman, Arnold, C. 2, f	New York, N. Y.
Frisby, Everett Frederick, E. E. 4, fws	Marshall
Froneberger, Augustus Kenneth, C. 2, fws	Gastonia
Froneberger, Robert Earl, Ci. E. 3, fws	Gastonia
Fry, William Trenholm, A. 1, f	Washington, D. C.
Frye, David William, C. 1, fws	High Shoals
Fryer, Charles Brooks, A. 2, fws	Tarboro
Fulk, Charles Walters, A. S. 2, fws	Pilot Mountain
Fuller, Irving Milton, C. 1, fws	Kittrell
Fuller, James Ernest, C. 1, fws	Columbus, Ga.
Fuller, Leo, C. 2, ws	Raeford
Funderburke, Earle Columbus, Ed. 2, fws	Ansonville
Funderburke, James Calvin, C. 2, f	Kannapolis
Furchgott, Arthur Clarence, Jr., M. E. 3, fws	Orangeburg, S. C.
Fussler, Herman Howe, A. 1, fws	Chapel Hill
Fysal, Ellis Daker, A. 4, fws	Wilson
Gaitley, Edward Donal, Jr., M. E. 1, fws	Parkton
Galanas, George Marius, Ci. E. 1, fws	Long Island City, N. Y.
Gallaway, Adrian E., Ph. 1, fws	Bolivia
Gambill, Brice Belmont, Ed. 1, fws	Crumpler
Gambill, Robert Mark, Ed. 2, fw	Crumpler
Gambill, Sidney Branscome, Law 2, fs	Crumpler
Gamble, David Worth, A. S. 1, f	Waxhaw
Gant, Joseph Erwin, Jr., Ch. E. 3, fws	Burlington
Gardner, Charles K., A. 3, fws	Stocksville
Gardner, Joseph Allen, C. 2, f	Salisbury
Gardner, Ralph Webb, A. 1, fws	Raleigh
Garland, James Dallas, C. 2, fws	Marshville
Garland, Peter Woods, Jr., C. 3, fws	Gastonia
Garner, Floyd McCoy, C. 4, fs	Newport

Garrett, Albert Earle, Jr., Law 2, fs A.B., Col. of William and Mary, 1929	Danville, Va.
Garrison, Clifton Morgan, E. E. 2, fws	Burlington
Gartenberg, Leonard Martin, A. 1, f	Newark, N. J.
Gaskins, Foy Patrick, A. S. 1, fws	Greensboro
Gault, Charles Beers, A. 3, f	Lake Waccamaw
Gavin, Harold Winford, A. 2, fws	Sanford
Gaylord, Albert Linwood, C. 2, fw	Belhaven
Geiger, John Frank, Ci. E. 3, fws	Mt. Airy
Geitner, Robert Walker, Law 1, fs	Hickory
Geller, Samuel, A. S. 2, fw	Newark, N. J.
Gentry, Benjamin Gordon, Law 1, fs	Reidsville
Gentry, Harvey William, Ed. 2, fws	State Road
Gentry, Joseph Samuel, Ed. 2, fws	Doughton
George, Braxton Hermitage, A. S. 1, fws	Comfort
George, George Lafayette, A. S. 2, fw	Selma
George, Peter Andrew, Jr., C. 1, fws	Winston-Salem
Gialanella, Ralph Gerald, A. 2, fws	Newark, N. J.
Gibbes, Alexander Mason, Jr., C. 1, fws	Columbia, S. C.
Gibson, Edward Hiram, III, Ed. 4, fws	Kernersville
Gidiansky, Samuel, M. E. 1, fws	Brooklyn, N. Y.
Gidney, Robert Sarratt, C. 3, fws	Shelby
Gilbreath, John Ulpin, C. 4, fws	Wichita Falls, Texas
Gilchrist, Peter Spence, Jr., Ch. E. 4, fws	Charlotte
Giles, Lawrence James, Jr., Law 3, fs	Clifton Forge, Va.
Gillespie, John McIver, C. 4, fws	Greensboro
Gillespie, John Wharton, Law 1, fs A.B., Emory and Henry Col., 1930	Pounding Mill, Va.
Gillie, Melvin Lee, C. 1, fws	Draper
Gilman, William Douglas, III, C. 1, fws	Chattanooga, Tenn.
Gilmer, Bernard Graham, Jr., C. 2, fw	Greensboro
Ginn, James Theda, Med. 1, fws	Snow Hill
Ginsberg, Frank, Ed. 2, fws	Union City, N. J.
Ginsberg, Henry Albert, A. S. 1, s	New York, N. Y.
Giobbi, Joseph, E. E. 1, fws	Durham
Glace, Ivan Maxwell, Jr., Ci. E. 1, fws	Harrisburg, Penna.
Glascock, Harold Winfield, Jr., Med. 2, fws	Raleigh
Glascock, Thomas Addison, Jr., C. 3, f	Greensboro
Glass, Victor Thomas, Ci. E. 1, f	Spray
Gleaton, George Newsome, A. 4, ws	Conyers, Ga.
Glenn, Archer Bennett, Jr., C. 2, fs	Winston-Salem
Glenn, James Woodrow, A. S. 1, f	Alexander
Glenn, Marion Woodard, A. 2, fs	Asheville
Glenn, Roland A., Ph. 1, fws	Pittsboro
Glover, Clifford Clarke, Ci. E. 2, fws	Newnan, Ga.
Glover, Eugene Colburn, A. S. 2, fw	Durham
Glover, Franklin Marvin, E. E. 3, fws	Salisbury

Goebel, Robert Wilson, Ci. E. 4, fws	High Point
Gold, Robert Wheeler, A. 2, fws	High Point
Goldberg, Robert, A. 1, fws	Brooklyn, N. Y.
Goldfaden, Robert, A. 2, fws	Newark, N. J.
Goldman, Gerson Mandel, C. 1, fws	Elizabeth, N. J.
Goldman, Jack, C. 2, f	Hamden, Conn.
Goldstein, Henry Mendeel, A. 1, fws	Wilmington
Goldston, Joseph Clarence, A. 2, fws	Goldston
Good, Thomas Prosser, M. E. 1, fws	Garden City, N. Y.
Goode, John Fisher, Ed. 3, ws	Woodard
Goodloe, Norman Mallory, C. 1, fw	Richmond, Va.
Goodman, Albert Raphael, A. 4, fws	Yonkers, N. Y.
Goodman, Joseph Vernal, Ed. 4, ws	Altamont
Goodman, Orville John, Ed. 1, f	Linville Falls
Goodson, Carl Kelly, Jr., A. 1, fws	Bessemer, Ala.
Goodson, John M., Ci. E. 3, fws	Brooklyn, N. Y.
Goodwin, Cleon Walton, Med. 2, fws	Oriental
Goodwin, James Clivie, Law 1, fs	Clifton Forge, Va.
Goodwin, Philip Richard, A. 1, fws	Charleston, S. C.
Gordon, Saul Joseph, A. 2, fws	Corona, N. Y.
Gores, Helene Edna, Ed. 4, fws	Weaverville
Gorham, George Wimberley, Jr., M. E. 3, fws	Rocky Mount
Gorrell, John Shelton, C. 3, fws	Winston-Salem
Gottlieb, Jacob, A. 3, fws	Brooklyn, N. Y.
Grady, Espie Boyd, C. 2, fws	Concord
Graham, Edward Kidder, A. 4, fws	Chapel Hill
Graham, John Washington, Law 2, fs A.B., 1930	Edenton
Graham, Robert Gratlan, M. E. 1, fws	Charlotte
Graham, Robert Lee, Jr., A. S. spec., f A.B., 1930	Charlotte
Grant, Bryan Marel, Jr., C. 3, fws	Atlanta, Ga.
Grant, Frank Wyman, A. S. 3, fws	Baltimore, Md.
Grantham, James Edward, M. E. 1, fws	Rocky Mount
Graves, Calvin, Jr., Law 3, fs A.B., 1930	Mt. Airy
Gray, Frederick Pendleton, Jr., C. 2, fws	Lumberton
Gray, Robert McDonald, Law 3, fs A.B., 1929	Statesville
Gray, Thomas Burke, A. S. 2, fws	Murphy
Gray, Walter Lee, C. 3, fws	Charlotte
Green, DeWitt Allen, A. 2, fws	Brooklyn, N. Y.
Green, Ernest Linwood, Ci. E, 1, fw	Wilmington
Green, Forest Page, A. 1, fws	Cerro Gordo
Green, George Chancellor, Jr., Ed. 1, fws	Weldon
Green, John Robert, A. 1, fws	Rocky Mount
Greenberg, Albert, A. 1, s	New York, N. Y.

Greenberg, Robert Arthur, A. 2, fws	New York, N. Y.
Greenberg, Samuel, A. 3, fws	Brooklyn, N. Y.
Greenberg, Samuel Horwitz, A. S. 2, fw	Florence, S. C.
Greengold, Leo, A. 1, fws	New York, N. Y.
Greer, Lee Jackson, Jr., A. 3, fws	Wilmington
Gregory, Isaac Coles, A. 1, fws	Greensboro
Grice, Weir Howard, Ed. 1, fws	Charlotte
Griffin, A. T., Ph. 2, s	Pinetops
Griffin, Clarence Walter, Ed. 1, fws	Williamston
Griffin, Ezra Ennis, Jr., A. 1, fws	Goldsboro
Griffin, Isaac Ceburn, Jr., A. 3, fws	Chapel Hill
Griffin, Jessie Clegg, L. S. 1, fws A.B., Catawba Col., 1930	Salisbury
Griffin, Julius Graham, Ph. 1, fw	Marshville
Griffin, James Odell, Ed. 4, fws	Reidsville
Griffin, John Sparks, C. 3, fws	Marshville
Griffin, Mallie Asa, II, A. S. 2, f	Wendell
Griffin, William Clyde, Ed. 2, fws	Williamston
Griffin, William Henry, C. 2, fw	Wendell
Griffith, James Thomas, Jr., C. 3, fws	Monroe
Grimes, James Miller, Jr., A. 4, fws	Mt. Vernon, N. Y.
Grindstaff, Harold Freeman, A. 4, fws	Sylva
Groover, Walter Rufus, C. 2, fws	Savannah, Ga.
Gross, Sidney, A. 1, fws	Kinston
Grover, Edward Maitland, A. 3, fws	Southern Pines
Groves, Ernestine Dorothy, A. 3, fws	Chapel Hill
Guion, Louis Isaac, Jr., C. 2, fw	Lugoff, S. C.
Gump, Harry, Law 1, fs	Greensboro
Gunter, June Uriah, Med. 1, fws A.B., 1931	Sanford
Gunter, John Wadsworth, C. 1, fws	Greensboro
Gutierrez, Andrew, A. 4, s S.B. in Civil Engg., 1930	Chapel Hill
Guyton, Jack Smallwood, A. 2, fws	Oxford, Miss.
Gwyn, Harvey William, Ed. 1, fws	Mt. Airy
Gwynn, Archibald A., Ph. 2, fws	Leaksville
Hackett, Joseph, Ci. E. 1, fws	Salisbury
Hadley, Charles William, Ed. 3, f	Badin
Hagan, Charles Tilden, Jr., A. 1, fws	Greensboro
Hagood, Louis Reeve, Jr., E. E. 1, fws	Aynor, S. C.
Hahn, Verna Mae, Ed. spec., fw	Mt. Pleasant
Haines, Harold Atlee, Jr., A. 3, fws	Philadelphia, Penna.
Hairston, Peter Wilson, Jr., A. 3, fws	Advance
Haislip, William Council, A. 1, fws	Hamilton
Hall, Basil Wise, A. 2, fws	Macon, Ga.
Hall, Robert Selden, Ch. E. 1, fws	High Point
Hally, Edmond Vincent, C. 4, fws	New Rochelle, N. Y.

Ham, Win Wood, C. 2, fws	Charlotte
Hamer, Marion Sims, C. 2, fws	McColl, S. C.
Hamilton, Alfred Thompson, A. 4, fws	Chapel Hill
Hamilton, Frederick Russell, C. 1, fws	Hamlet
Hamilton, Joseph Gregoire deRoulhac, Jr., A. 4, fws	Chapel Hill
Hamilton, Robert Victor, Ed. 2, fws	Easley, S. C.
Hamilton, William Ray, E. E. 1, f	Beaufort
Hamlet, Christopher Columbus, C. 3, fws	Pittsboro
Hammer, John Levering, Jr., M. E. 2, fws	Wilmington
Hammond, Alfred Franklin, Jr., Med. 2, fws A.B., Duke Univ., 1928	Polloksville
Hammond, Lawrence Townley, Law 2, fs	Asheboro
Hammond, Nina Anderson, L. S. 1, fws A.B., Agnes Scott Col., 1931	Savannah, Ga.
Hammond, William Lee, Ed. 3, fws	Polloksville
Hampton, Kenneth Dunlap, A. S. 3, fw	Raeford
Hamrick, Frederick Delmar, Jr., Law 3, fs	Rutherfordton
Hancock, Colon Clifton, Ed. 3, w	Bear Creek
Hancock, Earl Turner, Jr., C. 1, f	Wilmington
Hanff, Blanche Baker, Ed. 4, fws	Scotland Neck
Hanks, Donoh Wood, Jr., A. 1, fws	New Bern
Hardee, Aldridge Kirk, Jr., A. S. 2, fws	Graham
Harden, Peter Ray, Jr., C. 1, fw	Graham
Hardin, John Alexander, C. 2, fws	Upper Montclair, N. J.
Harding, Benjamin Hackett, Med. 2, fws A.B. in Educ., 1928	Yadkinville
Harding, Betsy Hughes, A. 3, fws	Washington
Hargreave, Frank Merrian, C. 1, fws	Forest Hills, N. Y.
Hargrett, Charles Frederick, A. 2, fw	Tifton, Ga.
Hargrove, William Foster, A. S. 3, ws	Canton
Harllee, Frederick Earl, Jr., C. 2, fws	Greensboro
Harney, William Selby, Jr., Ch. E. 1, fws	Norfolk, Va.
Harper, Finley Gwyn, Jr., A. 2, fws	Hickory
Harper, Frank Trumbo, Jr., Med. 2, fws	Kinston
Harper, Roger Clark, C. 2, fws	Winston-Salem
Harrell, Fannie Brown, A. 3, fws	Murfreesboro
Harrell, Francis Sater, A. 1, fws	Scotland Neck
Harrell, Paul Trennan, A. 1, fws	Cofield
Harrell, Raymond Harvard Starkey, A. S. 2, f	Mamie
Harrill, Jesse Alexander, A. S. 1, fws	Ellenboro
Harrington, Cyrus Robert, C. 2, f	Chapel Hill
Harrington, Irving, Jr., C. 1, fw	Asheboro
Harrington, James Ellington, A. S. 1, f	Asheboro
Harris, Frederick Martin, Ed. 2, fw	Elkin
Harris, Guy Vernon, A. S. spec., ws	Belhaven
Harris, Harvey William, C. 1, fws	Raleigh

Harris, James Gilmer, Ed. 1, fws	Charlotte
Harris, Richard Edward, Jr., C. 2, fw	Greenville
Harris, Robert Pittman, A. 2, f	Enfield
Harris, Thurmon Wiseman, Ed. 1, f	Caroleen
Harris, William, A. 3, fws	Brookline, Mass.
Harris, William Clinton, Jr., A. 2, fws	Raleigh
Harrison, James Keith, Law 1, fs B.S., High Point Col., 1929	High Point
Harrison, Sydney Lee, C. 1, fws	Washington, D. C.
Harrison, Virginia Lea, C. 2, fws	Chapel Hill
Harrison, William Burwell, A. 1, fws	Enfield
Harris, Herbert Henry, Jr., C. 1, fws	Wilson
Hart, James Norwood, C. 2, f	Chapel Hill
Hartgrove, Herbert Anthony, Ed. 1, fws	Hamlet
Hartis, Gilbert Clyde, Ph. 3, fws	Matthews
Hartley, Jay Stanley, Ed. 2, fws	Wilkesboro
Hartman, Carl Frederick, A. S. 2, f	Amityville, N. Y.
Hartshorn, Derick Sibley, Jr., A. S. 3, fws	Goldsboro
Hartshorn, Mary Elizabeth, A. 3, f	Goldsboro
Haskins, Woodrow, A. S. 1, fws	Trenton
Hauser, Elmer Lee, Ed. 2, fws	Pfafftown
Hawkins, Oscar Berval, Jr., Ch. E. 1, fws	Mt. Olive
Hawley, Frank Morton, Jr., A. 3, fws	Portsmouth, Va.
Hawthorne, Thomas Joseph, C. 1, fws	Charlotte
Hayes, Paul Robert, M. E. 2, fws	Columbia, S. C.
Hayes, Solomon A., A. 1, fws	Henderson
Hayes, William Anderson, C. 2, fws	Hillsboro
Hayes, Willard Melton, A. spec., fs	Gaffney, S. C.
Haynes, Richard Dow, Ch. E. 1, fws	Atlanta, Ga.
Haywood, Fabius Julius, A. 1, fws	Concord
Haywood, Robert Burton, E. E. 1, fws	Concord
Hazel, Louis Phillip, Jr., C. 1, fw	Durham
Hazelman, Herbert Richard, A, 1, fws	Asheville
Hazlewood, Edgar Herbert, A. 2, ws	Kew Gardens, N. Y.
Heath, Mack Griffin, Jr., A. 1, fws	Greensboro
Heber, Malcolm McMillan, C. 2, fs	White Plains, N. Y.
Hedgpeth, Sherwood, C. 1, fws	Greensboro
Hedrick, Sherman Dermont, C. 2, fws	Lexington
Heffner, Bain Lafayette, A. 4, fws	Greensboro
Hege, John Dennis, Jr., Ed. 4, fws	Salisbury
Heiderich, George Henry, E. E. 1, fws	Forest Hills, N. Y.
Heidenrich, John Ruess, Med. 1, fws A.B., Moravian Col., 1928	Durbin, N. D.
Heist, Stanley Harrar, C. 2, fws	Philadelphia, Penna.
Hellinger, George, A. 1, fws	Brooklyn, N. Y.
Helms, John Benjamin, Ed. 3, fws	Wingate
Helms, John Reece, Ed. 2, fws	Marshville

Henderson, Barbara Gray, A. 1, ws — Chapel Hill
Hendricks, Virginia, Ed. 3, fws — Marshall
Henley, John DeWitt, M. E. 2, fws — Charlotte
Henley, Ruth Dixon, Med. 1, fws — Laurinburg
B.S., North Carolina Col. for Women, 1928
Henry, David Probasco, Jr., Ed. 3, fws — New Bern
Henry, Thomas Allison, Ed. 4, fws — New Bern
Henson, Thomas Albert, A. S. 2, fws — Murfreesboro
Herkimer, Bernard Julius, A. 3, fw — New Rochelle, N. Y.
Herring, Theodore Tilghman, A. 2, fws — Wilson
Hershey, John Dapp, E. E. 1, fws — Schenectady, N. Y.
Hewett, Howard Curtis, C. 1, f — Wilmington
Hewitt, Willard Chappell, Ed. 2, fws — Elizabeth City
Hewitt, Wyndham Woods, M. E. 3, f — Asheville
Heyward, Henderson, A. 2, fws — Raleigh
Hiatt, James Callis, Ed. 2, f — Mt. Airy
Hickmon, Wilbur Leon, Ph. 2, fws — Kinston
Hicks, Allan Milton, Ph. 3, fws — Pikeville
Hiemovitz, Sidney Lawrence, A. 1, fws — New Haven, Conn.
Higby, Floyd Dorian, Jr., Ch. E. 2, fws — Sterling, Ga.
Higdon, William Logan, Jr., Law 2, fs — Franklin
S.B. in Commerce, 1930
Hightower, Ervin Avery, A. S. 1, fws — Wadesboro
Hiller, Morton Paul, A. 2, fws — Brooklyn, N. Y.
Hinds, Joseph James, A. 3, f — Westfield, N. J.
Hines, George Henry, C. 3, fws — Winston-Salem
Hines, Horace, A. 4, fws — Black Mountain
Hines, William Grimsley, C. 1, f — Kinston
Hines, Wilmer Moore, A. 3, fws — Columbia, S. C.
Hinkle, Winford Lee, A. 1, fws — High Point
Hinshaw, Roy Milburn, Ed. 3, fws — Winston-Salem
Hinson, John Henry, C. 1, fws — Monroe
Hinson, Seth Ward, M. E. 3, fws — Monroe
Hinson, William Dewey, Ed. 2, fws — Charlotte
Hinton, George Roy, Ed. 3, ws — Kenly
Hirsch, Sidney Leslie, A. 4, fws — Brooklyn, N. Y.
Hitchcock, Albert Carl, C. 4, fws — Flushing, N. Y.
Hobgood, Hamilton Harris, Ed. 4, fws — Bunn
Hochman, Robert Rubin, Ed. 1, fws — New York, N. Y.
Hocutt, Quincy Herbert, A. 2, fws — Clayton
Hodges, Alfred Latham, Ed. 2, fws — Washington
Hodges, Howard Berkeley, C. 2, ws — Leaksville
Hodges, Henry Latham, A. 1, fws — Washington
Hodges, Harry Meade, Jr., A. 3, fws — Fayetteville
Hodges, John Lawrence, A. 2, f — Winston-Salem
Hodges, Samuel Murray, E. E. 1, fws — Washington
Hoefer, Elmer George, Jr., C. spec., f — Chapel Hill
S.B. in Elec. Engg., 1931

Hoffman, Milo Johnson, A. 2, fws	Asheville
Hoffman, William Rhyne, A. 3, fws	Charlotte
Hogan, Norwood Thomas, Ed. 3, fws	Chapel Hill
Hoggard, John Thomas, Jr., C. 1, fws	Wilmington
Holbrook, John Scott, A. 3, fws	Milwaukee, Wis.
Holland, Howard, Ed. 1, fws	Drum Hill
Holland, John Edwards, C. 1, fws	Charles
Holland, John Samuel, A. S. 3, f	Jennings
Holland, Yates Leander, Ed. 2, ws	Forest City
Holler, Daniel Forney, A. 1, fws	Union Mills
Holliday, Blair, Ch. E. 2, fws	New Canaan, Conn.
Hollingsworth, Samuel Shorey, C. 1, fws	West Chester, Penna.
Hollingsworth, Thomas Clyde, A. 2, fws	Sophia
Holloman, Evelyn, Ed. 3, fws	Rich Square
Hollowell, William Clyde, Ph. 1, fws	Edenton
Holmes, George Hamilton, Jr., C. spec., fws	Tryon
Holmes, John Read, C. 3, fws	Chapel Hill
Holt, Cicero Tilton, Jr., A. S. 1, fws	Burlington
Holt, Dewey Tate, A. 2, fs	Mebane
Holt, Frederick Anderson, Ph. 2, fws	Graham
Holt, Raymond Creel, A. 2, fws	High Point
Holt, Rommie Laurius, A. 2, f	Pink Hill
Holt, Thomas, A. S. 1, fws	Warrenton
Hood, Robert Ernest, Jr., A. S. 1, fws	Matthews
Hooks, George Leon, Jr., C. 1, fws	Fremont
Hord, Joseph Beach, Ed. 2, fw	Kings Mountain
Hornaday, Flavius Durant, C. 3, fws	Snow Camp
Horner, Helen Geneva, Ed. 3, f	Burlington
Hottenstein, Lillian Mae, Ed. 4, fws	Lebanon, Penna.
House, Henry Charles, Ed. spec., w A.B., 1931	Weldon
Houser, William Henry, Jr., Ph. 1, fws	Cherryville
Houston, George Phifer, C. 4, fws	Charlotte
Houston, James Alden, Jr., E. E. 1, fws	Charlotte
Hovis, Robert Alexander, Law 2, fs A.B., 1930	Charlotte
Howard, Frederick Ervin, Jr., A. S. 1, fws	Black Creek
Howard, Joseph Morrison, C. 2, fws	Concord
Howard, Otho Durant, Jr., Ed. 2, fws	Denver
Howard, Robert, C. 1, ws	Tarboro
Howard, Romayne Smith, C. 2, fws	Tarboro
Howell, Robert Philip, Jr., M. E. 2, fws	Raleigh
Howell, Thomas Parsons, A. 1, fws	Ellerbe
Hoyle, Nell Oates, spec., f	Chapel Hill
Hubbard, Charles Spence, A. 1, fws	Sanford
Hubbard, Robert Bronson, C. 3, fws	High Point
Huber, Richard LeRoy, Ch. E. 1, fws	Chambersburg, Penna.

Hudson, Annie Laurie, Ed. 4, fws	Wilson
Hudson, Clinton Cyril, A. S. 4, fws	Sparta
Hudson, James Anderson, A. 4, fws	Salisbury
Hudson, Paul Lasley, M. E. 2, fws	Kansas City, Mo.
Hughes, Isaac Wayne, Jr., A. 3, fws	Henderson
Humphreys, Robert Dalton, A. 2, fws	Reidsville
Humphries, Wofford Forrest, Law 1, fs	Asheville
Hundley, John Markham, A. 1, fw	Durham
Huneycutt, James Ernest, A. 2, fws	Hendersonville
Hunsucker, Wilbur Curtis, Med. 2, fws	Gibson
Hunt, Charles Lindsey, A. S. 3, fws	Asheville
Hunt, Eleanora Gwyn, A. 4, fws	Asheville
Hunt, Ernest Woodrow, C. 2, fws	Greensboro
Hunt, Ruel Sitton, Ch. E. 1, fws	Canton
Hunt, Woolsey Welles, Jr., C. 2, fws	Alpena, Mich.
Hunter, Charles Eugene, Jr., A. S. 3, fws	Tobaccoville
Hunter, Ernest Jones, Ed. 3, fws	Huntersville
Hunter, John Emile, E. E. 3, fws	Asheville
Hunter, John Franklin Croom, Ph. 1, fws	Magnolia
Hunter, Walker Fitch, Jr., A. S. 2, fws	Enfield
Huntley, Winfrew Arlington, Ph. 1, fws	Lenoir
Hupman, Richard Dallas, A. 1, ws	Mebane
Hurteau, Joseph Wheeler, A. 2, fws	Florence, S. C.
Huskins, John Franklin, Law 2, fs	Burnsville
Hussey, William Hand, A. 2, fw	Burgaw
Hussey, William Thaddeus, C. 2, fws	Tarboro
Hutaff, Tabitha Cromwell, A. 4, fw	Wilmington
Hutchison, Leonard Lafayette, A. 2, fws	Charlotte
Hyman, Abraham, C. 3, fws	High Point
Hyman, Forest Norwood, C. 2, f	Whitakers
Idol, John Dempsey, C. 4, fws	Kernersville
Idol, Percy Cornelius, C. 3, fws	High Point
Idol, Vernon Welch, Jr., A. 4, fws	High Point
Ingle, Ernest T., Ch. E. 1, fws	Asheville
Ingram, Edgar Jack, E. E. 1, f	Albemarle
Innes, John, Jr., A. 1, fws	Rocky Mount
Irvin, E. Johnston, A. 3, fws	Concord
Irvin, Frank Ritch, C. 3, fws	Salisbury
Irwin, James Preston, Jr., E. E. 2, fws	Charlotte
Isaacs, David Burness, C. 2, fws	Waterbury, Conn.
Isley, John Mack, Ci. E. 3, fws	Mebane
Isley, Sessler Carlysle, Ed. 3, fws	Burlington
Ison, Roswell Davis, Jr., C. 1, fws	Atlanta, Ga.
Itzkowitz, Sidney, A. 1, fw	Brooklyn, N. Y.
Ivey, Alfred Guy, A. 1, fws	Rocky Mount
Jackson, Allen Charles, C. 1, f	Rowland

Jackson, Cecil Caviness, A. 3, f; Law 1, s	Biltmore
Jackson, Charles Ernest, Jr., Ph. 1, f	Spring Hope
Jackson, Donald Fletcher, Ed. 1, fws	Sanford, Fla.
Jackson, John Alfred, C. 2, fw	Gastonia
Jackson, Morris Bradley, Ed. 3, s	Newport, N. Y.
Jacobs, Arnold Irvin, C. 1, fw	Raleigh
Jacobson, Israel Harry, A. 2, fws	Winston-Salem
Jacocks, Francis Gillam, Jr., A. S. 4, fws	Elizabeth City
Jaffe, Ervin, A. 2, fws	Wilmington
Jaffe, Samuel, A. 3, fws	Brooklyn, N. Y.
James, Brandol Franklin, A. 4, s	Winterville
James, Eloise Mary, A. 1, fws	Durham
James, Francis Marion, Ed. 4, fw	Wilmington
Jameson, Harlan, C. 4, fws	Winter Haven, Fla.
Jamison, Preston Gibson, M. E. 1, fws	Blairsville, Penna.
Janofsky, Harold M., Ed. 1, fws	Newark, N. J.
Jaramillo, Edward, Jr., C. 2, fws	Hendersonville
Jarman, William Henry, C. 4, fws	Wilmington
Jenkins, Arthur Mifflin, C. 2, fws	New Bern
Jenkins, Franklin Spaulding, Jr., A. 1, fws	Brevard
Jenkins, Henry Samuel, Jr., M. E. 1, fws	Flushing, N. Y.
Jennings, Dudley Lamont, C. 1, fws	Lumberton
Jennings, Louise Janie, L. S. 1, fws A.B., High Joint Col., 1931	High Point
Jennings, Neill Archie, E. E. 2, fws	Lumberton
Jenrette, Jenkins Poe, A. S. 2, fw	Marietta
Jenrette, Thomas Shephard, Ed. 4, fws	Marietta
Jensen, Clarence Arthur, A. 3, fws	East Orange, N. J.
Jernigan, Luby Baggett, Ed. 4, fws	Cooper
Jervey, Allen Jones, A. S. spec., s	Tryon
Jess, Everett Mumford, A. 2, fs	Haddon Heights, N. J.
Jimison, Thomas Pearson, Jr., A. 1, fws	Charlotte
Johnson, Everett Council, Jr., M. E. 2, fws	Hickory
Johnson, Francis Bonneau, M. E. 2, f	Franklin
Johnson, Jasper Calvin, A. 4, f	Morven
Johnson, James Marvin, C. 2, fws	Benson
Johnson, Rufus Donzell, C. 2, fws	Bentonville
Johnson, Ray Wooten, C. 3, fws	Ayden
Johnson, Toon Blair, A. S. 4, fs	Vale
Johnson, Thomas Lester, Jr., A. 2, ws	Asheville
Johnson, Thor Martin, A. 2, fws	Winston-Salem
Johnson, William Herman Eckart, Ed. 4, s	Atlanta, Ga.
Johnson, William Ray, Jr., A. 1, fws	Winston-Salem
Johnson, William Westley, Law 3, fs	Varina
Johnson, Woodrow Wilson, A. S. 3, fws	Varina
Johnston, Frederick Odell, A. 4, fw	Kelford
Johnston, William Lee Davidson, M. E. 2, fws	Barium Springs

Johnston, William Rogers, A. S. 2, fws — Charlotte
Jones, Betty, A. 4, fws — Augusta, Ga.
Jones, Charles McDaniel, Jr., C. 2, fws — Wilmington
Jones, Elizabeth Lindsay, A. 4, f — High Point
Jones, Frank Thomas, A. S. 2, fws — Washington
Jones, John Laurence, Jr., A. 1, fws — Charlotte
Jones, Marvin McTyre, Jr., Ed. 1, fw — Belhaven
Jones, Mark Manard, E. E. 2, fws — Asheville
Jones, Phillip Ervin, A. S. 1, fws — Burlington
Jones, Paul Stewart, A. 1, fws — Charlotte
Jones, William Clay, Jr., C. 2, fws — High Point
Jones, Walter Raleigh, Jr., A. 2, fws — Rockingham
Jones, William Thomas, Ed. 2, f — Ferguson
Jordan, Mahlon Kline, Ch. E. 1, fws — Philadelphia, Penna.
Jordan, Margaret Nicholson, A. spec., fws — Chapel Hill
Jordan, Rebecca Frances, A. 1, fws — Chapel Hill
Joyner, Archie Braswell, A. 2, fws — Greensboro
Joyner, Emmet Edward, Jr., C. 1, fws — Shelby, Tenn.
Joyner, Francis Leonidas, A. 3, fws — Henderson
Kahn, Bert Maurice, A. 1, fws — New Bern
Kahn, Edwin Bernard, C. 2, fws — Roxbury, Mass.
Kalb, Milton Kallman, C. 1, fws — Far Rockaway, N. Y.
Kaplan, Alvin Saul, C. 1, fws — Raleigh
Kapp, Constantine Hege, A. 4, fws — Winston-Salem
Kapp, Henry Herman, Jr., A. S. 3, fw — Winston-Salem
Karesh, Leonard, A. 2, fws — Charleston, S. C.
Kasen, Irving Nathan, A. 1, fws — Newark,, N. J.
Kates, Clarence Whitfield, A. 1, fws — Wilmington, Del.
Kaufmann, Philipp Klemens, A. 3, fws — Brooklyn, N. Y.
Kaveny, Paul Felix, A. 1, fws — Montclair, N. J.
Keats, William Robert, Ed. 1, fws — Elizabeth City
Keeling, Heflin, A. 2, fws — Asheville
Keene, Chester Edward, E. E. 1, f — Four Oaks
Keith, Donald Bethea, C. 1, fws — Hendersonville
Keith, Linnie Ruth, Ed. 4, s — Durham
Keith, Otho Roy, Jr., A. S. 1, fws — Hendersonville
Kellam, William Porter, Ed. spec., fws — McLeansville
Kellenberger, Charles David., Jr., M. E. 3, fws — Greensboro
Keller, Lena, L. S. 1, ws — Concord
A.B., North Carolina Col. for Women, 1926
Kelly, George Lawrence, Ed. 3, f — Belle Harbor, N. Y.
Kelly, Daniel Archibald, A. 3, fws — Biscoe
Kelly, Kenneth Graham, C. 1, fws — Coats
Kelly, Rogers Michael, C. 3, fws — Towson, Md.
Kenan, Frank Hawkins, C. 1, fws — Atlanta, Ga.
Kenan, James Graham, A. 3, fws — Atlanta, Ga.
Kendall, Bloomfield, M. E. 4, fws — Shelby

Kennedy, Joseph Edgar, C. 3, fw	Charlotte
Kennedy, Rolfe Mason, A. 3, fws	Suffield, Conn.
Kennemur, Calvin Smith, A. 1, fws	Roanoke Rapids
Kennerly, Taylor Rock, Ed. 2, fws	Mt. Ulla
Kent, Benjamin Horatio, Ph. 3, f	Lenoir
Kenyon, Van Leslie, Jr., M. E. 4, fws	Hillsboro
Kerr, Edwin William, E. E. 2, fws	Clinton
Kerr, Hugh Ross, A. S. 1, fws	Winston-Salem
Kerr, Joseph T., Med. 2, fws B.S., Davidson Col., 1929	Wilmington
Kesler, Roland Lincoln, Med. 2, fws A.B. in Educ., 1929	Salisbury
Kestler, Charles Brewer, A. 4, fw	Concord
Kidd, Edward Benedict, Jr., Law 1, fs	Boone
Kilpatrick, Harold Evans, A. S. 1, fw	Brevard
Kimrey, Donald Shoaf, Ed. 2, fws	Raleigh
King, Allan Harrison, E. E. 1, fws	Bloomfield, N. J.
King, Durward Frank, III, Ed. 1, fws	Rockingham
King, David Spencer, Ed. 1, f	Rowland
King, Oliver Humber, C. 1, fws	Hamlet
King, Walter Winburne, Jr., Ci. E. 1, fws	Greensboro
Kinney, Virginius Carlton, A. S. 2, f	Huntersville
Kiser, Worth LeRoy, Ed. spec., fws	Bessemer City
Kitchin, Julian Percivall, Jr., Law 2, fs A.B., The Citadel, 1930	Asheville
Kjellesvig, Erik Norman, A. S. 2, fws	Arlington, N. J.
Kleemeier, John Augustus, Jr., C. 4, fws	Greensboro
Klein, John Bernard, Jr., C. 2, fws	Oklahoma City, Okla.
Kleitman, Edward Ward, C. 1, fws	New York, N. Y.
Klieger, Philip Alvin, Ph. 2, fws	Brooklyn, N. Y.
Klutz, Howard Martin, Law 3, fs	Blowing Rock
Kneeburg, Edith Christine, A. 3, fws	Portsmouth, Va.
Kneeburg, Evelyn Marie, A. 4, fws	Portsmouth, Va.
Knight, Julian Holt, C. 1, fws	Greensboro
Knoefel, Arthur Eugene, Jr., Med. 2, fws A.B., 1929	Black Mountain
Knoop, Frederick, Jr., M. E. 2, fws	Washington, D. C.
Knopp, Victor Hammond, A. spec., fws	Washington, D. C.
Knox, Harry Lee, A. 2, fws	Statesville
Kobrin, Isidore, A. S. 1, fws	Corona, N. Y.
Koch, Frederick Henry, Jr., A. 3, fws	Chapel Hill
Koch, George Julian, E. E. 1, fws	Chapel Hill
Kochtitzky, Oscar Wilbur, Jr., Ci. E. 4, fws	Mt. Airy
Koger, Paul Duvall, A. S. 1, fws	Cheney, Kan.
Korman, Saul Charles, C. 3, fws	Brooklyn, N. Y.
Kornegay, Alonzo Dixon, Ed. 3, fws	Dover
Kraus, Harold, A. 4, s	New York, N. Y.

Krock, Simon, Ci. E. 2, fws	Worcester, Mass.
Lacy, Daniel Mabry, A. 3, fws	Rocky Mount
Lamb, Clarence Mitchell, Ci. E. 2, fws	Belcross
Landreth, Virginia Dell, A. 3, fws	Winston-Salem
Lane, Jean McIver, Ed. 4, fws	Sanford
Lane, Walter Austin, Jr., C. 3, fws	Monroe
Langdon, Benjamin Bruce, A. 2, fws	Coats
Langdon, Roscoe, Ph. 1, fws	Benson
Langley, William Verner, Ed. 1, fws	Staley
Langsam, Sanford Martin, A. 2, fws	Far Rockaway, N. Y.
Langston, Allen, Law 3, fs A.B., Grinnell Col., 1929	Mocksville
Lanier, Brasel, A. spec., fws	Thomasville
Lanier, Edwin Sidney, Law 2, fs	Thomasville
Larmer, Clyde McCormack, A. 1, f	Spencer
Lasko, Charles, M. E. 2, fws	New York, N. Y.
Lassiter, John Hanes, A. 3, fws	Charlotte
Lassiter, William Hardee, Jr., A. S. 1, fws	Smithfield
Laughlin, Robert Mangum, A. 3, fws	Greensboro
Lawlor, Lindsay, C. 1, fws	Durham
Lawrence, Alton Anderson, A. 2, fws	Vass
Lawrence, Alfred Stratton, Jr., A. 3, fw	Chapel Hill
Lawrence, Thomas Newcomb, M. E. 1, fws	Chapel Hill
Laws, Leighton Goode, C. 2, fw	Richmond, Va.
Lawson, Charles Franklin, A. S. 4, fws	Arden
Lawther, Francis Rivers, Med. 2, fws B.S., Davidson Col., 1930	Wilmington
Laxton, Erwin LeVendre, Ch. E. 1, fws	Charlotte
Laxton, Frederick Mitchell, Jr., E. E. 3, fws	Charlotte
Lazarus, Rose, Ph. 3, fws	Sanford
Lazarus, Walter Howard, A. S. 1, fws	Raleigh
LeGore, Floyd Ralston, A. 2, fws	LeGore, Md.
Lea, Sydney Longstreth Wright, A. 3, fws	Philadelphia, Penna.
Leach, William Walter, C. 1, fws	Winston-Salem
Leak, John Duncan, A. 2, fws	Wadesboro
Leary, Hilary Ashburn, A. 2, f	Old Trap
Leavitt, Dundas, A. 1, fw	Vineyard Haven, Mass.
Ledbetter, James McQueen, Jr., A. 3, fws	Rockingham
Lee, Enoch Lawrence, Jr., C. 2, fws	Wilmington
Lee, Theodore Pursell, A. S. 3, f	Chapel Hill
Lee, William Frederick, A. 2, f	Chapel Hill
Leggette, Lubin Poe, A. 4, fws	Tabor
Leibowitz, William, A. 2, fws	Jersey City, N. J.
Leinwand, Abraham Joseph, C. 1, fws	Whiteville
Lemmond, Lonnie Hudson, A. S. 1, f	Matthews
Lennon, Carl Hatcher, Jr., Ed. 4, fw	Rowland
Lennon, Frederick Wright, C. 2, s	Lumberton

Lentz, Frederick Henry, Ch. E. 2, fws — Hendersonville
Lentz, Paul John, Ed. 4, fws — Stony Point
Leon, Morris Richard, A. 2, ws — Brooklyn, N. Y.
Leonard, Clyde Wilson, Ed. 2, fws — East Spencer
Leonard, Eleanor Childs, L. S. 1, fws — Seekonk, Mass.
A.B., Brown Univ., 1928
Leonard, Frank Alfred, C. 3, fws — Schoolfield, Va.
Lever, Thomas Horace, Jr., Ch. E. 1, fws — Charlotte
Levinson, Martin, Ed. 3, fws — Waterbury, Conn.
Levitan, Walter Morris, A. 1, fws — Dorchester, Mass.
Levitt, Robert Oscar, A. 4, s — Brooklyn, N. Y.
Levitt, Stanley Michael, Ci. E. 1, s — New York, N. Y.
Levy, Theodore David, A. S. 3, fws — Tarboro
Lewis, Arthur Erwin, C. 1, f — Hamlet
Lewis, Edward Harvey, Jr., C. 1, fws — Tarboro
Lewis, Martha Battle, A. 4, fw — Oxford
Lewis, Robert Guilford, A. 1, fws — Memphis, Tenn.
Lewis, Richard Henry, Jr., C. 1, fws — Oxford
Lichtenfels, Joseph Milton, II, M. E. 1, fws — Asheville
Lieberman, Irving Davis, A. S. 1, fws — Jersey City, N. J.
Lineberger, Joseph William, A. 3, fws — Belmont
Lineberger, Reba H., Ed. 3, fws — Lincolnton
Lineberry, Argus Brown, Ed. 3, fws — Randleman
Lineberry, Robert Leon, Ph. 2, fws — Harrellsville
Lingerfeldt, Theodore Howard, Ed. 3, fws — Bessemer City
Lipka, Jack, A. 1, s — Brooklyn, N. Y.
Litten, Frederic Chapin, A. 1, fws — Lake Charles, La.
Little, Allan Bowen, E. E. 1, fws — Winston-Salem
Little, George Roscoe, Jr., C. 2, fws — Elizabeth City
Little, Howard Q. L., Med. 2, fws — Conover
Little, James Bryan, Ed. 2, fw — Washington
Little, James C., E. E. 2, fws — Lincolnton
Little, James Millard, Jr., Law 2, fs — Winston-Salem
A.B., 1931
Littleton, John Osburn, Ed. spec., fw — Jacksonville
Lively, George David, A. S. 2, fws — Reidsville
Lloyd, William Allen, C. 2, fws — Asheville
Lockwood, Raymond Newman, Jr., C. 2, fws — East Orange, N. J.
Loftin, Charles Ivey, Jr., C. 3, fws — Gastonia
Logan, Helen Louise, Ed. 4, fw — Kings Mountain
Lohr, Dermot, Med. 2, fws — Lexington
London, Frederick Williams, C. 1, fws — Pittsboro
London, George Elliot, A. 3, fw — Raleigh
Long, Betty Gray, A. 3, fws — Roanoke Rapids
Long, George Attmore, Law 3, fs — Graham
A.B., 1930
Long, Ira Gillespie, Ed. 3, fws — Charlotte

Long, James Harold, C. 1, fws	Matthews
Long, Joseph Wallace, Ed. 4, fws	Forest City
Long, Morris Henry, C. 2, fws	Fargo, N. D.
Long, William Ivey, Ed. 4, fws	Seaboard
Longest, Edward Cecil, Ed. 4, fws	Beaufort
Lorberbaum, Seymour, C. 2, fws	Brooklyn, N. Y.
Lothian, James Robert, C. 1, fws	Lyndhurst, N. J.
Loveland, Lewis Joseph, A. 3, fws	North Tonawanda, N. Y.
Lovett, Herbert Edward, Ph. 1, fws	Graham
Lovill, Robert Jones, Jr., Ed. 1, fws	Mt. Airy
Lowder, Carlton Boner, C. 2, fws	Winston-Salem
Lowder, William Dodson, C. 1, fws	Badin
Lowdermilk, Erwin Lenoir, E. E. 1, fws	Valdese
Lozowick, Milton, Ed. 1, fws	Newark, N. J.
Lucas, Homer Franklin, Jr., A. 1, fws	Salisbury
Lucas, Woodrow Wilson, Ed. 3, fws	Speed
Lukens, Brittain Ely, Jr., Ch. E. 4, fws	Norfolk, Va.
Lukon, Leon, A. 4, fws	Brooklyn, N. Y.
Lumpkin, Nathaniel Wilson, Jr., A. 3, fws	Charlotte
Lupton, Emmett Stevenson, A. S. 2, fws	Cedar Grove
Lupton, Walter Jones, Ed. 3, f	Swan Quarter
Lyerly, Baker Conway, C. 1, fws	Salisbury
Lynch, Griffin Hill, C. 1, fws	Goldsboro
Lynch, Joseph Holton, Ci. E. 2, fws	Cordova, Md.
Lynch, James Madison, Jr., A. 3, fw	Asheville
Lynch, Levin David, III, C. 3, fws	Ocean, City, Md.
Lynch, Myra Peyton, A. 4, f	Asheville
Lynch, Stephen Andrew, Jr., C. 4, fws	Miami, Fla.
Lynn, Dallas William, A. 2, fws	Durham
Lyon, Homer LeGrand, Jr., Law 2, fs A.B., 1930	Whiteville
Lyon, Howard Talmage, A. 2, fws	Glade Valley
McAdams, Coy Ernest, C. 2, fws	Graham
McAdams, Leon Ambrose, A. S. 1, fws	Salisbury
McAllister, Harmon Carlyle, A. S. 3, fws	Mt. Pleasant
McAllister, William Howard, Jr., C. 2, fws	Durham
MacArtan, Neill Duncan, A. S. 2, fw	Chapel Hill
McArthur, William Surles, Ed. 4, fws	Wakulla
McBrair, Henry Clay, E. E. 2, fw	Essex Falls, N. J.
McBrayer, Robert Edwin, A. S. 1, fws	Charlotte
McBryde, William Gaston, C. 2, fw	Raeford
McCachren, David Downs, C. 2, fws	Charlotte
McCain, Felix Rushing, A. S. 1, fw	High Point
McCampbell, John Caldwell, A. S. 3, fws	Morganton
McCaskill, John Norman, A. 2, fws	Rockingham
McChesney, Evan William, spec. S.B., Univ. of Chicago, 1926; S.M., *ibid.*, 1928; Ph.D., Northwestern Univ., 1931	Chapel Hill

McClure, David Craig, Ed. 4, fws	Paw Creek
McColl, Gabrielle Palmer, A. 4, fw	Bennettsville, S. C.
McCollum, Numa Hill, Jr., Ph. 1, fws	Spray
McCotter, DeWitt Clinton, Jr., Law 2, fs	New Bern
McCoy, John Patrick, C. 2, fws	Charlotte
McCracken, Henry Faine, C. 3, fw	Waynesville
McDade, Roy Arnold, Jr., Ed. 2, f	Lenoir
McDaniel, Millard Taft, Ed. 4, fws	Badin
McDevitt, N. B., Jr., Ed. 3, fws	Marshall
McDonald, Alan Cameron, Jr., A. 1, fws	Biltmore
McDonald, Robert Lacy, A. S. 3, fws	Timberland
McDonald, Thomas Howard, A. 1, fws	Hope Mills
McDuffie, Dan Curtis, Ed. 3, fws	Jackson Springs
McDuffie, William Cole, C. 3, fw	Fayetteville
MacFayden, Alexander Graham, A. 4, s	Concord
McFadyen, Neil Martin, M. E. 1, fws	Cameron
MacFarlane, Robert Giles, Ch. E. 2, fw	Biltmore
McFeeley, John William, C. 1, fws	Merchantsville, N. J.
McGanley, Joseph James, Jr., C. 3, f	Oak Park, Ill.
McGill, Monty Joseph, C. 2, fws	Philadelphia, Penna.
McGill, Sanford Foster, A. S. 3, ws	Asheville
McGlinn, John Alexander, Jr., M. E. 2, fws	Wynnewood, Penna.
McIlwinnen, John Henry, A. S. 2, fw	Fayetteville
McInnis, John, Jr., A. S. 1, fws	Clio, S. C.
McInnis, John Robert, A. S. 3, ws	West End
McIntosh, Craig Shuford, A. 1, fws	Chapel Hill
McIntyre, Donald Booth, C. 2, fws	West Newton, Mass.
McIver, Eva Dotson, Ed. 3, fws	Chapel Hill
McIver, Evan Gordon, Jr., C. 2, fw	Durham
McIver, Henry Staton, Ci. E. 4, fws	Guilford College
McKay, Herbert Stacy, Jr., A. 1, fws	Dunn
McKean, Charles King, A. 3, f	Paterson, N. J.
McKee, William Dills, A. 1, fws	Sylva
McKee, William Wakefield, A. 3, fws	Chapel Hill
McKeithan, Raymond T., Ed. 3, fws	Chapel Hill
McKeithan, Wesley Lawrence, E. E. 3, fws	Fayetteville
MacKesson, Pinckney Carlton, Ph. 1, fw	Statesville
McKinney, Clyde Vernon, Ed. 4, fws	Reidsville
McKinney, Marguerite, Ed. 3, fws	Dublin, Ga.
McKinney, Robert Harold, C. 1, f	Greensboro
McKinnon, Edward Haywood, Jr., C. 3, fws	Rowland
McLaughlin, Tad Lincoln, A. S. 4, fws	Mercersburg, Penna.
McLaurin, Edwin Jones, C. 1, fws	Laurinburg
MacLean, Angus Wilton, Jr., C. 2, fws	Lumberton
McLean, Edward Price, Ci. E. 4, fws	High Point
McLean, John Allan, M. E. 3, fws	Charlotte

McLean, Miles Augustus, Jr., A. 2, fws — Lincolnton
McLennan, Dallas, Law 3, fs — Chapel Hill
McLeod, David Graham, A. 2, fws — Raleigh
McLeod, Mary Margaret, Med. 2, fws — Sanford
McMichael, Jule, Law 1, fs — Wentworth
McMillan, Roscoe Drake, Jr., C. 2, fws — Red Springs
McMillan, Robert Monroe, A. 2, fws — Candor
McNair, William Edward, A. 1, fws — Latta, S. C.
McNairy, James David, Jr., A. 2, fws — Greensboro
McNairy, Wyatt Hamilton, Ci. E. 1, fws — Greensboro
McNeill, Lenwood Johnson, Ph. 1, fws — Fair Bluff
McNeill, Ronald McMillan, C. 1, fws — Fayetteville
McRae, Cameron Farquhar, Med. 1, fws — Chapel Hill
McRae, Edwin Earl, C. 2, fws — Peachland
McRorie, Cyrus Brown, A. 4, fws — Rutherfordton
McRorie, Robert Grant, A. 2, fws — Rutherfordton
McSwain, Palmer Yates, C. 1, fws — Shelby
McWhirter, Mary Louise, A. S. 3, fws — Salisbury
Mace, William Arendell, Jr., A.2, fws — Beaufort
Macon, Bennett Alston, A. S. 1,, fws — Henderson
Madry, Claudius Jarrette, A. 4, fws — Scotland Neck
Madry, Ernest Oscar, A. 1, fws — Scotland Neck
Maguire, Samuel Oscar, Jr., A. 2, fw — Elkin
Mallonee, James David, Jr., A. 1, fws — Murphy
Maness, Riley Colon, Ph. 3, fws — Biscoe
Mangum, Charles Staples, Jr., Law spec., f — Chapel Hill
A.B., 1927; J.D., 1931
Manheim, Frank Joseph, A. 4, f — New York, N. Y.
Manheim, Lyndon White, Jr., C. 1, f — Burlington
Manley, Leon Henry, C. 1, fws — Asheville
Mann, Lonnie Bain, Jr., C. 2, fws — Charlotte
Manning, Howard Edwards, A. 1, fws — Chapel Hill
Manning, John Taylor, A. 3, fws — Chapel Hill
Mansfield, Robert Joseph, A. S. 1, fws — Leaksville
Markham, William Sater, Jr., A. 3, fws — Durham
Markley, Philip William, A. S. 1, fws — Philadelphia, Penna.
Marks, Charles Larry, Ed. 1, fws — Merry Oaks
Marland, Kenneth Milton, C. 4, fws — Oak Park, Ill.
Marley, Willard McCoy, A. 4, fws — Goshen
Marlowe, William Otis, Jr., A. 1, fws — Draper
Marsden, George William, C. 1, fws — Pottsville, Penna.
Marsden, Thomas Jay, Jr., C. 1, fws — Pottsville, Penna.
Marsh, Howard Darnaby, C. 1, f — High Point
Marsh, Steve Parker, A. S. 4, fws — Marshville
Marsh, William Hill, Law 1, fs — Fayetteville
S.B. in Comm., Washington and Lee Univ., 1930
Marshall, Elva Gordon, Ed. 2, fws — Pittsboro

Marshall, James, M. E. 1, fws	Radburn, N. J.
Marshall, Thomas Edmund, Jr., A. S. 3, fws	Rocky Mount
Martin, Edward Watts, C. 1, fws	Tarboro
Martin, Lester Cherry, C. 2, f	Tarboro
Martin, Virginia, L. S. 1, fws	Mt. Airy
B.A., Salem Col., 1930	
Martinson, Bertram Robert, A. 1, fws	Brighton, Mass.
Marvin, James Robert, E. E. 3, w	Charlotte
Mason, Joseph Brown, A. 1, fws	Mebane
Mason, Robert Henry, A. 3, fws	Mebane
Mason, William Beverly, Jr., A. 4, fws	Biltmore
Mason, Walter LaFayette, Jr., Ed. 4, fws	Mebane
Mass, Jesse Bernard, A. 4, fws	New York, N. Y.
Massengill, William Walton, Ph. 2, w	Four Oaks
Masten, William Ashburn, Ed. 2, fws	Winston-Salem
Matheny, Wade Bostic, Law 3, fs	Forest City
Matheson, Frank Mitchell, A. 2, fws	Taylorsville
Matheson, James Daniel, Ph. 1, ws	Raeford
Mathews, Joseph Laurence, C. 2, fs	Goldsboro
Mathewson, Clarke, Ed. 2, fws	Raleigh
Matlin, Israel Matthew, A. 2, fws	Spruce Pine
Matthews, Henry Stedman, Ed. 1, fws	Rose Hill
Matthews, Millender Maxwell, Ch. E. 4, fws	Asheville
Matthews, Walter Forrest, Jr., A. S. 1, fws	Randleman
Maultsby, Robert Henry, Jr., A. S. 1, fw	Bolivia
Mauney, David Hunter, Jr., C. 1, fws	Lincolnton
Mauney, Jesse Lloyd, Ed. 2, fws	Shelby
Maxwell, Thomas Andley, A. S. 1, fws	Granite Hill, Ga.
Maxwell, William Hampton, Law 1, s	Granite Hill, Ga.
May, Henry Garvin, C. 1, fws	Burlington
May, John Sharpe, C. 1, fs	Burlington
Maynard, Julian Decatur, Jr., M. E. 2, fws	Wadesboro
Mead, Harold Gordon, Jr., C. 2, w	Rutherford, N. J.
Meares, Van, Ed. 4, fws	Cerro Gordo
Mebane, Robert Jesse, Jr., A. 3, fws	Chapel Hill
Medford, William Clinton, Law 2, fs	Rainbow Springs
A.B., 1931	
Meekins, John Carroll, A. S. 1, fws	Columbia
Melvin, Hiram Alexander, Ed. 3, s	Elizabethtown
Menge, Bernard, C. 2, fws	East Liverpool, Ohio
Menitove, Albert Norman, A. S. 1, fws	Newark, N. Y.
Menzies, Philip Graeme, C. 4, fws	Hickory
Mercer, Frances, Ed. 3, fws	Beulaville
Mercer, Grady, Ed. 4, fws	Beulaville
Merrell, Herman Stroupe, Law 2, fs	Fairview
Merritt, Jesse Frederick, A. S. 3, ws	Greensboro
Merritt, Robert Amsey, Law 3, fs	Greensboro
A.B., Washington and Lee Univ., 1928	

Merritt, William Daniel, Jr., Law 2, fs — Roxboro
A.B., 1931
Messick, Henry Shadrock, A. S. 1, fws — Dilworth
Metzenthin, Eric Proctor, A. 1, fws — Chapel Hill
Mewborn, Drew Aldridge, Ed. 1, fws — Snow Hill
Mewborne, John Franklin, C. 3, s — Kinston
Meyer, Julien Herman, A. S. 2, fws — Enfield
Meyers, Hyman, C. 4, fws — Goldsboro
Meyers, Samuel Sidney, M. E. 2, fws — Goldsboro
Michael, Formey Ervin, E. E. 1, fws — Mount Holly
Michaels, Edward Griffin, II, C. 2, fws — Greensboro
Mickey, Paul Fogle, A. 1, fws — Winston-Salem
Midgett, Ernest Leeland, M. E. 4, fws — Kitty Hawk
Midgett, Lorimer Willard, Ed. 4, fws — Elizabeth City
Milburn, William Joseph, M. E. 1, fws — Roebling, N. J.
Miles, Charlotte Wilson, Ed. 4, fws — Danville, Va.
Millar, George Powers, Ch. E. 2, fws — Rocky Mount
Miller, Frank Voorhies, Ch. E. 1, fws — Birmingham, Ala.
Miller, Hubert Russell, A. 4, fs — Middletown, Conn.
Miller, John Edward, Ed. 4, fws — Winston-Salem
Miller, John Marion, A. 4, fws — Savannah, Ga.
Miller, Raymond Alfred, M. E. 1, fws — Call
Miller, William Alexander, Ed. 3, fws — Call
Miller, William Glenn, E. E. 3, fws — Rockwell
Mills, Hugh Harrison,, Jr., A. 1, fws — Bridgewater
Mills, Roy Edward, Law 1, fs — Polkton
A.B., 1927
Minges, Coyte Roscoe, A. S. 2, fws — Rocky Mount
Minor, William Thomas, Jr., C. 2, fws — Charlotte
Misenheimer, Charles Payne, Ed. 3, fws — Richfield
Mitcham, William Claude, Jr., C, 3, f — Charlotte
Mitchell, John D., Ph. 1, fws — Piney Creek
Mitchell, Landis Patterson, Jr., A. S. 1, fws — Chapel Hill
Mitchell, Nicholas Worth, C. 1, fws — Winston-Salem
Mitchell, Willis Bixler, A. S. spec., fws — Easton, Penna.
B.S., Dartmouth Col., 1928
Mitchell, William Thomas, E. E. 1, fw — Kinston
Mitchelle, Wiley Earl, C. 3, fws — Danville, Va.
Mock, Charles Glenn, Med. 1, fws — Spencer
Moffitt, Hugh Alfred, Jr., C. 1, f — High Point
Molarsky, Osmond, A. 2, fws — Nutley, N. J.
Monoghan, John McDermott, A. 2, fw — Fayetteville
Monroe, Phillip J., C. 1, fws — Salisbury
Montague, Nell Melville, Ed. 3, fws — Stephenville, Texas
Moody, Thomas Aven, A. 1, fws — Garysburg
Moody, William Sloan, C. 1, fws — Charlotte
Moore, Andrew Taylor, A. 1, fws — Scotland Neck

Moore, Emily Paula, L. S. 1, fw A.B., Agnes Scott Col., 1930	Pendleton, S. C.
Moore, Elizabeth Vann, A. 3, fws	Franklinton
Moore, George Albert Louis, C. 1, fws	Wheeling, W. Va.
Moore, James Edwin, C. 4, fw	Wilmington
Moore, James Gray, C. 1, f	Tryon
Moore, James Osborne, Law 2, fs	Charlotte
Moore, John Warner, Jr., Ed. 1, f	Milton
Moore, Owen Jones, Jr., C. 3, fws	Scotland Neck
Moore, Reeme, Law 1, fs A.B., 1931	Dallas, Texas
Moore, Robert McLean, C. 2, fws	Greensboro
Moore, William Coleman, A. S. 1, fws	Asheboro
Moore, William Haywood, A. S. 3, ws	Wilmington
Moore, Wilbur Kenneth, Ed. 2, f	Stanley
Moose, Margaret Rebekah, Ph. 1, fws	Mt. Pleasant
Morgan, David Bradley, Jr., M. E. 2, fws	Biltmore Forest
Morgan, Emily Nichols, Ed. 4, fw	Penton, Miss.
Morgan, James Henry, III, A. 1, fws	Greenville, S. C.
Morgan, Roscoe Howard, Law 1, f	Marshville
Morgan, Ralph Siler, A. S. 1, fws	Spruce Pine
Morris, Joseph Alfred, A. 3, fws	College Point, N. Y.
Morris, James Harris, A. 1, fws	Hendersonville
Morrisette, Edna Eloise, A. 4, f	Elizabeth City
Morrison, James Salen, C. 4, fws	Baltimore, Md.
Morrison, Matthew Stuart, Jr., Ch. E. 3, fws	Wilson
Morrison, Sheldon, Med. 1, fw	Greensburg, Ind.
Morrison, Wilfred Campbell, Ci. E. 1, fws	Brooklyn, N. Y.
Mortimer, Stanley T., C. 1, fws	Clarendon, Va.
Morton, Samuel Edgar, Jr., A. S. 2, fws	Charlotte
Mosebrook, Stewart Wiley, C. 1, ws	York, Penna.
Moseley, Herbert Everett, Jr., Ed. 4, fws	Kinston
Moser, William Lex, A. 1, fws	Charlotte
Moss, Forney Harris, E. E. 1, fws	Pittsboro
Moss, Frederick Morris, Ph. 3, f	Lowell
Moss, William Smith, Law spec., fs	High Point
Mowery, Hartman Baxter, C. 3, fws	Salisbury
Mowrer, J. O., Jr., A. 1, f	Davidson
Mowry, Arthur Smith, Jr., Ch. E. 1, fws	Derita
Mulieri, Bruno Casserio Ferrer, C. 4, fws	Augusta, Ga.
Mullen, Evelyn Day, L. S. 1, fws A.B., Sweet Briar Col., 1931	Roanoke Rapids
Mullis, Oscar Lee, A. 2, fws	Allen
Mund, Frank Bergman, Jr., C. 1, fws	Concord
Munden, Kenneth White, Ed. 3, w	Elizabeth City
Munson, Athleen Leigh, A. 3, fws	Clemson College, S. C.
Myers, James Norwood, Ed. 2, fws	Kimesville

Myers, James Wesley, Ed. 2, f — Winston-Salem
Myers, Ralph Davis, Ed. 2, fws — Effingham, S. C.
Myers, Ralph Emerson, Jr., A. S. 1, fws — East Orange, N. J.
Myers, William Turelius, A. 4, fws — Charlotte
Nahikian, Howard Movets, A. 3, fws — Asheville
Nalle, Brodie Crump, Jr., A. 2, fws — Charlotte
Napier, Charles Griffin, C. 1, fws — Wilmington
Napier, William Benjamin, A. S. spec., fws — Wilmington
A.B., 1931
Neal, Charles Lynwood, Ph. 1, fws — Greensboro
Neff, Charles Hampton, C. 1, fws — Durham
Nelson, Dana Barbie, E. E. 1, f — Wilmington
Neuner, John Benjamin, C. 3, fws — Plant City, Fla.
Neuren, Emanuel Al. A. 2, fws — Brooklyn, N. Y.
Neville, Benjamin Holland, A. 4, fws — Whitakers
New, Albert, Jr., Ch. E. 2, fws — Waynesville
Newbold, Richard Claxton, Jr., C. 2, f — Wayne, Penna.
Newby, Ruth Toms, A. 4, fws — Hertford
Newcombe, Elliott Hill, A. 3, fws — Charlotte
Newland, Howard Theodore, Jr., C. 3, fws — Pasadena, Calif.
Newnan, Charles Melvin, A. 1, f — New York, N. Y.
Newton, Charles Walker, Ch. E. 1, fws — Morganton
Newton, Joseph Stokes, Jr., Ed. 1, fws — Wilmington
Nichols, Herman Gudger, A. 1, fws — Asheville
Nicholson, Harold Linneous, Ch. E. 1, fws — Greensboro
*Nicholson, John Ambrose, A. 2, fws — Raleigh
Nisbet, John Edwin, Jr., A. S. 3, fws — Van Wyck, S. C.
Nisbet, Thomas Gluyas, A. 2, fws — Huntersville
Niven, Olin, Ed. 1, fws — Waxhaw
Noble, Grace, Ed. 4, s — Kinston
Noble, Rose, Ed. 1, s — Kinston
Noe, Thomas Pasteur, Jr., Law 1, fs — York, S. C.
S.B., Univ. of the South, 1926; S.B. in Ci. E., 1929; S.M., 1930
Noe, Walter Raleigh, Jr., A. 2, fws — Wilmington
Nofal, Philip Alexander, A. S. 2, f — Greensboro
Nolan, Edward Beam, A. S. 1, fws — Shelby
Nooe, Frederick Parker, Jr., Ed. 3, fs — Pittsboro
Norwood, Jo White, Ed. 4, fws — Louisville, Ky.
Novins, Robert James, A. 3, fws — Toms River, N. J.
Nowell, James Newsom, C. 2, fws — Raleigh
Nowell, Robert Bolling, C. 1, fs — Raleigh
Nunn, Elizabeth Nicholls, A. 4, fws — New Bern
Nutt, John Benjamin, C. 1, ws — Greensboro
O'Brien, William Joseph, Jr., E. E. 3, fws — Durham
O'Bryan, Allen Darlington, C. 2, fws — Beaufort
O'Hara, Thomas Francis, M. E. 2, fws — New York, N. Y.

*Died 12 April, 1932.

O'Kelly, James Thomas, A. S. 1, fws	Asheville
O'Neal, John Wylie, Jr., Med. 1, fws A.B., Univ. of S. C., 1929	Rock Hill, S. C.
O'Neal, Ruffin Mann, C. 2, f	Fairfield
O'Neil, Frank Church, Med. 2, fws A.B., 1930	Henderson
O'Neil, John Tettemer, C. 2, fws	Henderson
Oakes, Elton Sterling, E. E. 4, fws	Springfield, Mass.
Oates, Charles Calvin, M. E. 2, fws	Kings Mountain
Oberfell, Gilbert Fleming, C. 3, fw	Lynchburg, Va.
Odom, Harlee McColl, C. 1, fws	Wadesboro
Odum, Eugene Pleasants, A. 2, fws	Chapel Hill
Oettinger, Elmer Rosenthal, Jr., A. 2, fws	Wilson
Ogburn, Harris Johnson, C. 1, fws	Greensboro
Old, Bruce Scott, Ch. E. 2, fws	Annapolis, Md.
*Olive, Daniel Jackson, A. 2, fw	Chapel Hill
Olive, Wiliam Wade, Jr., C. 1, fws	Winston-Salem
Oliver, Bernios Hoyle, C. 1, fw	Lumberton
Oliver, Charity Crowell, A. S. 4, fws	Whiteville
Oliver, George Motley, A. 4, fws	Yanceyville
Oliverio, Anthony, C. 3, fws	Clarksburg, W. Va.
Olman, Morton Aaron, Ed. 1, fws	Bloomfield, N. J.
Olmstead, Albert Lewis, C. 2, f	Raleigh
Olmsted, Warren Fizzell, Law 1, fs	Southern Pines
Onasch, Paul Lowrey, Ch. E. 1, fws	Brooklyn, N. Y.
Orbaugh, Randolph Edwin, M. E. 3, fws	Gatun, Canal Zone
Ormond, William Newman, III, Ed. 4, fws	Hookerton
Overstreet, Hugh, Jr., C. 3, fws	Burgaw
Overton, James Hardy, Jr., Ed. 2, fws	Coinjock
Owen, Otto Clyde, Jr., C. 3, fws	Winter Haven, Fla.
Owens, Frank Neely, C. 4, fws	Charlotte
Pace, James Gustavus, Jr., A. S. 2, fw	Pensacola, Fla.
Page, Evelyn Spruill, A. 2, fws	Chapel Hill
Page, Henry Eustace, A. 2, fws	East Haddon, Conn.
Page, Maxcy Ford, M. E. 2, fws	Marietta
Page, Paul Edward, A. 2, fws	Lincolnton
Palmer, Hollis Vestal, C. 1, fws	Lexington
Park, Albert Pair, C. 2, fw	Raleigh
Park, John Alsey, Jr., A. 4, fws	Raleigh
Parker, Billy Benjamin, E. E. 1, fws	Monroe
Parker, Bartholomew Moore, Law 3, fs	Raleigh
Parker, Frank Marion, A. 2, fws	Asheville
Parker, Herman Manley, Ed. 1, fws	Vass
Parker, Joseph Allen, C. 2, ws	Goldsboro
Parker, Josephine Patton, A. 4, fw	Asheville

*Died 25 January, 1932.

Parker, Linus Marcellus, Jr., A. 1, fws	Raleigh
Parker, Mary Francis, A. 3, fws	Goldsboro
Parker, Richard Smith, Jr., A. 1, fws	Murphy
Parker, Sara Burgwin, A. 3, fws	Charlotte
Parker, William Borst, C. 2, fw	Cameron
Parker, William Carey, Law 1, fs	Raleigh
Parker, William McGreagor, C. 1, fws	New Bern
Parks, George Reid, C. 2, fw	Forest City
Parks, Owen Tracy, Jr., A. 1, fws	Hallison
Parrish, Willard Lee, Jr., C. 4, fws	Rocky Mount
Parsley, Henry Nutt, C. 3, fws	Wilmington
Parsons, Manie Leake, A. 1, fws	Chapel Hill
Parsons, William Moore, A. 2, fws	Chapel Hill
Paskefsky, Milton, A. 2, fw	New York, N. Y.
Patrick, Benjamin Franklin, Ed. 3, fws	Gum Neck
Patrick, Christopher Lafayette, A. 4, f	Ayden
Patterson, Frederick Geer, A. 3, fws	Chapel Hill
Patterson, Furnifold McLendel Simmons, A. 1, fws	New Bern
Patterson, Henry Newton, C. 4, f	High Point
Patterson, John Armpstead, A. 2, fw	Liberty
Patterson, Joseph Hanan, A. 2, fws	Hendersonville
Patterson, Walter Branch, A. 4, fws	Rochester, N. Y.
Patterson, William Benton, A. 4, fws	Coats
Pattisall, Richard Odell, Ed. 3, fs	Danville, Va.
Pattishall, Staley Monroe, Ed. 1, fws	Sanford
Paul, Amos Hazelton, Ed. 2, fws	Council
Paul, Beverly Archie, C. 1, f	Wilmington
Paulsen, Abby Laura, A. 2, f	Chapel Hill
Payne, Hall Alexander, A. 1, fws	Welcome
Payntar, Charles Samuel, Ed. 1, fw	Williston Park, N. Y.
Peace, Closs Courtney, Ed. 4, fws	Henderson
Peace, Samuel Thomas, Jr., A. 4, f	Henderson
Peacock, Claude Wasden, C. 2, fws	Goldsboro
Peacock, Edwin Bruton, C. 2, fws	Fremont
Peacock, John Gaston, Ed. 2, fws	Fremont
Peacock, John William, C. 3, fws	Wilson
Peacock, Philip Nathaniel, Jr., A. 3, fws	Salisbury
Pearce, James Allan, C. 3, w	Greensboro
Pearsall, Eugene Andrew, Ch. E. 1, fws	Warsaw
Pearson, George Wilson, Ci. E. 3, fws	Clover, S. C.
Pearson, Henry Charles, A. 1, fws	Kinston
Peck, Alvin William, A. 1, fws	Bridgeport, Conn.
Peebles, Calvert Goosley, Jr., A. S. 4, fw	Hubert, Ga.
Peele, Courtney Wooten, A. 1, fws	LaGrange
Peele, James Clarendon, A. 4, fws	LaGrange
Peeler, Lewis Albert, C. 1, fws	Salisbury

Peetz, William Ward, C. 3, fws	Winsted, Conn.
Penn, Charles Ashby, Jr., A. 2, fws	Reidsville
Penn, George Cabel, Ph. 1, f	Carthage
Peres, Irving Solomon, C. 3, fws	Gastonia
Perez, Armando Mendez, E. E. 4, f	Havana, Cuba
Perkins, Edwin Marvin, Law 2, fs A.B., 1929	Brevard
Perlmutter, Joseph, A. 4, fws	Astoria, N. Y.
Perrow, Betsy Marshall, Ed. 4, f	Asheville
Perry, Alton Whitmer, Ed. 4, s	Washington
Perry, Joseph K., C. 2, fws	Sanford
Person, Edgar Cooper, Jr., Med. 1, fws A.B., 1931	Pikeville
Person, James Bryant, Jr., C. 2, fws	Selma
Peterson, Jack Martin, A. 2, fws	Asheville
Petty, Alvis Brooks, Ed. 3, fws	Pittsboro
Pfohl, Richard Haas, A. 2, fw	Winston-Salem
Phillips, George Arthur, Jr., Ch. E. 3, fws	Washington
Phillips, Hugh Glenn, Ed. 1, fws	Goldston
Phillips, Jasper Edward, Ph. 3, f	Macclesfield
Phillips, Ulric Bonnell, Jr., A. 2, fws	New Haven, Conn.
Philpott, Benjamin Cabell, Jr., A. 2, fws	Lexington
Phipps, Harry Lee, A. 2, fs	Fries, Va.
Phipps, John Moore, A. 2, fws	Fries, Va.
Pickard, Henry Mack, A. S. 2, fws	Wilmington
Pickett, Lowell Brown, C. 1, fws	Hillsboro
Pigman, Carl, Med. 1, fws B.S., Univ. of Kentucky, 1929	Farraday, Ky.
Pilcher, Frank, III, Med. 1, fws B.S., Davidson Col., 1931	Charleston, W. Va.
Piltz, Cecile Louise, Law 1, fs B.S., Rollins Col., 1930	Richmond, Va.
Pitkin, Stephen Henderson, M. E. 2, fws	Edgewood, Penna.
Pitt, William Calvin, Jr., C. 1, fws	Tarboro
Pittman, John Jay, Ch. E. 2, fws	Rocky Mount
Plaster, Carl Claxton, A. S. 1, fws	Winston-Salem
Plummer, John Frank, Jr., A. 2, f	Glen Ridge, N. J.
Poe, Charles Aycock, A. 2, fws	Raleigh
Pollard, Ambrose Jones, Jr., A. S. 2, fws	Durham
Pollock, Robert Frederick Hoke, A. 1, fws	Kinston
Pomeroy, Elizabeth Hill, L. S. 1, fws A.B., Flora Macdonald Col., 1931	Graham
Pool, Rufus Adolphus, A. 1, fws	Raleigh
Poole, James Strowd, Jr., C. 2, fws	Durham
Poole, Levin Leslie, A. 1, fw	Currituck
Pope, George McDonald, Jr., C. 2, fws	Durham
Pope, Samuel Allen, Med. 1, fws A.B., Duke Univ., 1928	Durham

Potter, Douglas Laten, Med. 2, fws — West Palm Beach, Fla.
A.B., 1930
Potter, James Hollister, III, A. 1, fws — Beaufort
Powell, Albert Henry, Jr., C. 2, f — Fair Bluff
Powell, Elmer Cromwell, Jr., A. S. 3, fws — Henderson
Powell, Eppie Charles, Med. 1, fws — Middlesex
Powell, Margaret, A. 4, fws — Asheville
Powell, Nicholas Holmes, A. 1, fws — Leonia, N. J.
Powell, Russell Lee, Ed. 2, fws — Vale
Powell, Summie Clee, Ed. 1, f — Vale
Powell, William Curtis, Ed. 3, fs — Danville, Va.
Powell, Walter Foster, Ed. 3, s — Lawndale
Powell, Walter Woodrow, Ed. 1, fw — Patterson
Prager, Seymour Hnart, A. S. 1, fws — Newark, N. J.
Pratt, Charles Alexander, A. 2, fws — Greensboro
Pratt, Joseph Hyde, Jr., A. 3, fws — Chapel Hill
Prentiss, Quinette Clarke, L. S. 1, fws — Greensboro
A.B., Randolph-Macon Woman's Col., 1924
Presberg, Moe, A. 4, fws — New York, N. Y.
Prescott, Walter Calhoun, A. 2, fw — Asheville
Preston, Ellinor Graham, L. S. 1, fws — Newberry, S. C.
A.B., Randolph-Macon Woman's Col., 1925
Preston, John Alfred, Ch. E. 3, fws — Lewisburg, W. Va.
Pretlow, Joel Cook, Jr., C. 3, fws — Wilmington
Price, Hubert Graham, Med. 1, fws — Hollis
Price, Henkel Moser, A. S. spec., fws — Hickory
A.B., 1931
Priest, Gordon Webb, C. 2, fws — Baltimore, Md.
Prioleau, Alice Chisolm, L. S. 1, fws — Columbia. S. C.
A.B., Univ. of S. C., 1931
Pritchard, Anna Louise, A. 3, fws — Asheville
Privette, William Garland, Jr., Ch. E. 1, fws — Chapel Hill
Proctor, Benjamin Clayton, Jr., A. 2, fws — Chapel Hill
Proctor, David, C. 4, fw — Grimesland
Propst, Walter Guy, A. 3, fws — Salisbury
Prouty, William Walker, A. 1, fws — Chapel Hill
Pruden, Jack McMullan, Ci. E. 1, fws — Edenton
Prud'hommeaux, Rene Maurice, A. 1, fws — New Canaan, Conn.
Puckett, Ulysses Stratten, Ph. 2, fws — Stovall
Purnell, Edwin Henry, Jr., Ci. E. 1, fws — Pittsfield, Mass.
Purrington, Jane Elizabeth, A. 3, fws — Scotland Neck
Purser, William Harvey, Ed. 1, fws — Ellerbe
Putnam, Taft Spurgeon, Ed. 1, fws — Shelby
Pyle, Robert Chester, C. 3, fws — Wilmington
Quarles, James Norment, A. 1, ws — Hendersonville
Queen, John Montreville, Jr., A. 1, fws — Waynesville
Queen, James Shook, A. 2, fws — Waynesville

Query, Robert Mott, E. E. 2, fws	Charlotte
Quinn, Robert Carl, A. 4, fws	Raleigh
Rabinowitz, Solomon Abraham, Med. 1, fws	Chapel Hill
Rabinowitz, William, Ci. E. 1, fws	New York, N. Y.
Radford, Herman Edgar, C. 3, fws	Jackson Springs
Ragland, Chester Arthur, Jr., C. 1, ws	Louisburg
Ragland, George Gilliam, C. 1, fws	Louisburg
Ramsey, Kerr Craige, Law 1, fs A.B., 1931	Salisbury
Ramseur, Loretz Leon, Jr., C. spec., fw	Charlotte
Rancke, Henry Charles, Jr., A. 1, fws	Rockingham
Rand, Hubert Hinton, C. 1, fws	Garner
Randolph, Cornelius Posey, Law 2, fs	Green Mountain
Randolph, Joseph Vernon, C. 2, fw	Rocky Mount
Raney, Elizabeth, Ed. 1, fws	Chapel Hill
Raney, Julius Hines, C. 1, fws	Chapel Hill
Rankin, Blair Jenkins, Ed. 3, fws	Ellerbe
Rankin, Forney Anderson, A. 2, fws	Belmont
Raper, Julian Ellsworth, Ed. 4, fws	Elizabeth City
Raper, John Robert, A. 3, fws	Welcome
Rapp, Emil Bartholomew, A. 1, f	New Dorp, N. Y.
Ratcliffe, Thomas Edward, Jr., A. 3, fws	East Durham
Rawls, Cyrus Franklin, A. S. 4, f	Catherine Lake
Rawls, Charles Taylor, Jr., C. 1, fws	Asheville
Ray, Frederick, Jr., Ph. 3, fws	Sanford
Ray, John Clifford, Jr., C. 1, fws	Hillsboro
Ray, Joseph King, Law 1, fs	Leaksville
Ray, Marvin, Ed. 1, fws	Teer
Ray, Julian Robert, Jr., A. 1, fws	Moncure
Raymer, Furches Barker, C. 2, fw	Harrill
Rea, John Wren, Med. 2, fws	Matthews
Reagan, Lewis Sentell, C. 1, fws	Statesville
Reardon, Kenneth James, A. 2, f	Norwood
Reavis, Charles William, Med. 1, fws	Raleigh
Rector, Thomas Beatty, Law 2, fs A.B., 1930	Asheville
Redding, Thomas Henry, Jr., Ed. 3, fws	Asheboro
Redding, Thomas Stanley, C. 3, f	Asheboro
Reed, Elizabeth Gatewood, A. 4, f	Beaumont, Texas
Reed, Mary Adelaide, A. 4, f	Beaumont, Texas
Reeves, John Edwin, A. S. 2, fws	Sanford
Reeves, Marjorie Isobel, A. 3, fw	Leicester
Regan, Talmadge Woody, Ed. 3, fws	Roxboro
Reid, Garrison, C. 3, fws	Winston-Salem
Reid, John Walker, Ed. 3, fw	Charlotte
Reid, Robert Alexander, C. 2, fws	Pottsville, Penna.
Reinhardt, Lee Moss, Ph. 1, fws	Forest City

Remin, Morris Louis, A. 1, fws	Brooklyn, N. Y.
Renegar, Gilbert James, A. S. 3, fws	Southern Pines
Renfrow, Pelham Powell, C. 3, fws	Fair Bluff
Renfrow, Raymond Rudolph, C. 1, f	Fair Bluff
Rennie, Emma Elizabeth, A. 4, fws	Jacksonville, Fla.
Rennie, James Malcolm, M. E. 2, fws	Richmond, Va.
Renshaw, James Reed, A. 2, f	Nettleton, Miss.
Reyburn, John Edgar, II, A. 1, fws	Washington, D. C.
Reynolds, Robert Rice, Jr., A. 2, fws	Asheville
Reynolds, Randolph Smith, Jr., C. 2, fws	Anniston, Ala.
Reynolds, William Franklin, A. 1, fws	Chapel Hill
Rhawn, Guy Jacob, A. S. 1, fws	Catawissa, Penna.
Rhodes, Charles MacKinnie, A. 2, fws	Smithfield
Rhodes, Charles Reginald, Jr., Ph. 3, fws	Hamlet
Rhodes, Paul Heilig, Med. 1, fws A.B., 1931	Albemarle
Rice, James Webb, Ed. 2, fws	Candler
Richmond, Roland Milton, E. E. 1, fws	Winston-Salem
Ricks, Absalom Whitaker, C. 1, fws	Hanes
Ricks, Linwood Edwards, Jr., C. 1, fws	Fairmont
Riddle, Robert Benjamin, III, Ed. 3, fws	Gastonia
Ridenhour, Walter, A. 2, fs	Greensboro
Ridenhour, William Layton, E. E. 2, fws	Hickory
Riggs, Lewis Sidney, C. 2, w	Mebane
Riley, Jack Robert, A. 3, fws	Dunn
Rinckhoff, William Peter, C. 1, fw	New York, N. Y.
Robbins, Enoch Garland, Ci. E. 4, fws	Greensboro
Robbins, Joseph C., A. 3, fws	Jamestown
Robbins, Joseph Edward, A. 1, fws	Greensboro
Roberts, Descum Benton, A. S. 3, f	Utica, N. Y.
Roberts, Ray John, Ed. 4, fws	Landis
Roberts, William Gudger, A. 3, fws	Marshall
Robertson, Stewart, Jr., C. 2, fws	Raleigh
Robeson, William Bartram, Jr., C. 1, fws	Red Springs
Robey, Wesley Marvin, Jr., M. E. 3, fws	Charlotte
Robinson, Carlton, Ph. 3, fws	Atlantic
Robinson, Derwood Paul, Ph. 1, fws	Graham
Robinson, Joseph Hull, C. 1, fws	Ansonville
Robinson, Thomas Jefferson, C. 2, fws	Morven
Rochelle, Zalph Lakey, C. 2, fws	Durham
Rockhill, William Rurode, A. S. 2, fw	Fort Wayne, Ind.
Rodin, Benjamin, Ed. 3, fws	Brooklyn, N. Y.
Rodman, William Blount, A. 1, fws	Washington
Rogers, Carroll Pickens, Jr., C. 3, fws	Tryon
Rollins, Charles Dick, Med. 1, fws	Durham
Rorison, Brainard Blanton, C. 1, fws	Asheville
Rose, Charles Grandison, Jr., A. 3, fws	Fayetteville

Rose, Jean Evans, A. 3, fws	Chapel Hill
Rose, William Barrett, Jr., Ch. E. 1, fws	Wadesboro
Rose, Walter Thomas, A. 4, fws	Wadesboro
Rosemond, George Parrott, Med. 2, fws	Kinston
Rosen, Sidney Harold, A. 2, fws	New York, N. Y.
Rosenblum, Solomon Stanley, A. 2, f	Brooklyn, N. Y.
Rosenstrauch, Lawrence Sanford, A. 2, fws	Flushing, N. Y.
Rosenthal, Walter Sanford, A. 1, fws	Newark, N. J.
Ross, James Neill, C. 2, fw	Greensboro
Ross, Lewis Edward, Ed. 3, f	Norwood
Ross, Laurence Wilson, Ed. 3, fws	Davidson
Ross, Neill McKay, C. 2, fws	Lillington
Rostan, Athos, C. 2, fws	Valdese
Roth, Sidney Goldwater, Ed. 4, fws	Brooklyn, N. Y.
Roth, William Lowe, C. 3, fws	Scarsdale, N. Y.
Rothkopf, Herbert, A. 2, fws	Brooklyn, N. Y.
Rothman, Edward, A. 2, fw	New York, N. Y.
Rouiller, Charles August, Jr., Ch. E. 2, fw	Baltimore, Md.
Rouse, Louis Livingston, A. S. 3, fws	Holly Springs
Rowe, Ezra Wise, C. spec., fws	Leaksville
Rowe, George Catlett, A. 1, fws	Charlotte
Rowland, Lenton Orlando, A. S. 3, fws	Holly Springs
Royall, Joseph Dixon, A. S. 1, fw	Elkin
Royster, Chauncey Lake, Med. 1, fws A.B., 1931	Chapel Hill
Royster, Martha Ellen, A. 1, fws	Chapel Hill
Royster, Theodore Satterwhite, A. S. 3, fws	Bessemer City
Royster, Vermont Connecticut, A. 1, fws	Raleigh
Royster, Wyte Deston, M. E. 2, fw	Fallston
Ruark, Robert Chester, Jr., A. 1, fws	Wilmington
Rubin, Hyman Sylvan, C. 1, ws	Columbia, S. C.
Ruble, Ac, L. S. 1, fws A.B., Davis and Elkins Col., 1927	Chapel Hill
Rulfs, Donald Jacob, A. 4, fws	Wilmington
Rush, Everett Lewis, A. S. 2, fw	Chapel Hill
Russell, Charles Richard, Jr., A. S. 1, fw	Granite Falls
Russell, Doretta, A. 4, fws	Augusta, Ga.
Rutledge, Jacob Carlyle, A. 4, fws	Stanley
Sadler, William Huggins, III, A. 1, fws	Birmingham, Ala.
Sain, Fletcher Dover, Med. 2, fws	Lawndale
Sale, Harold Shade, Ed. 3, ws	Elkin
Salerno, Louis, A. S. 1, fws	Passaic, N. J.
Sales, John Claude, Jr., C. 4, fws	Fletcher
Salmini, Ambrose Peter, A. 2, fws	Hoboken, N. J.
Saltzman, Abraham David, A. 1, fws	New York, N. Y.
Samilowitz, Abraham, A. 4, fws	Brooklyn, N. Y.
Sams, Ralph Emerson, Ed. 2, f	Asheville

Samson, Samuel, C. 2, fws	Newark, N. J.
Sanderson, Johnnie James, Ed. 4, fws	Wingate
Santoro, Joseph Louis, A. S. 1, fws	Waterbury, Conn.
Saperstein, Bernard Harold, A. S. 1, fws	Newark, N. J.
Sapp, Clarence Odell, C. spec., w LL.B., 1930	Chapel Hill
Sartwell, Robert Thomas, C. 4, fws	Indian Orchard, Mass.
Sasser, Phillip, A. 2, fws	Princeton, W. Va.
Satterfield, William Robert, Jr., C. 4, fw	Charlotte
Saunders, Joseph Hubbard, Jr., A. S. 1, fws	Williamston
Sawyer, Abbott Newberry, C. 3, fws	Merritt
Sawyer, Claude Melmoth, Jr., Ch. E. 3, fws	Winston-Salem
Sawyer, Hugh, C. 2, w	Elizabeth City
Sawyer, Raymond Wilson, A. S. 1, s	Nassau, N. P., Bahamas
Saylor, Conrad, Ed. 3, fws	Pfafftown
Saywell, Paul Eugene, M. E. 1, f	Greensboro
Scarboro, Samuel Stuart, Ci. E. 3, fws	Schoolfield, Va.
Schaack, Harry Colford, A. 1, fws	New York, N. Y.
Schaaf, Bernard John, A. 3, w	Cumberland, Md.
Schallert, Paul Otto, Jr., A. S. 1, fws	Winston-Salem
Schiller, John Taylor, C. 1, fws	Wilmington
Schlumberger, Hans George, A. 2, fws	Atlantic City, N. J.
Schmukler, Milton, C. 2, fws	Hurleyville, N. Y.
Schneider, David Horn, Ch. E. 1, fw	New York, N. Y.
Schneider, Solomon, A. 1, fws	Dorchester, Mass.
Schnell, Robert Howard, Law 1, fs	Chapel Hill
Schoenrich, Otto, Jr., A. 3, fws	New York, N. Y.
Schreiber, George, C. 2, fws	Newark, N. J.
Schriner, Oliver Martin, A. 1, fws	Washington, D. C.
Schwartz, Nathan, A. S. 1, fws	Wilmington
Scoggin, Katherine Henderson, A. 3, fws	Warrenton
Scoggin, Solomon Williams, A. S. 2, fw	Louisburg
Scott, Elmer Jacob, Ci. E. 1, f	Rocky Point
Scott, Lloyd Hildred, Ed. 3, f	Rose Hill
Scott, Robert Crawford, Jr., A, 2, fws	Asheville
Scott, Samuel Devond, Jr., C. 2, f	Fair Bluff
Scott, William Coleman, A. S. 1, fws	Greensboro
Scott, William Jackson, Ed. 3, fws	Norwood
Seawell, Aaron Ashley Flowers, Jr., Law 1, fs	Chapel Hill
Seawell, Donald Ray, A. 3, fws	Chapel Hill
Seawell, Malcolm Buie, A. 4, fws	Chapel Hill
Seegal, Leon Martin, A. 1, fws	Charlotte
Sehon, John Leicester, Jr., A. 4, fws	Huntington, W. Va.
Selby, William Elledge, Med. 2, fws	Winston-Salem
Sembower, John Henry, Law 2, fs	Charlotte
Sensenbach, Charles Willis, A. 1, fws	High Point
Serunian, Victor Hambartzoom, A. S. 1, fw	Tabriz, Persia

Shachtman, Joseph Morris, Med. 1, fws	Winston-Salem
Shaffer, Charles Milton, C. 1, fws	Greensboro
Shaner, Harvey Linden, Jr., A. 4, f	Winston-Salem
Shanklin, Virginia Earle, A. 4, fw	Clemson College, S. C.
Shannon, Charles John, Law 3, fs	Camden, S. C.
Shapiro, Nathan Samuel, A. 1, fws	Brooklyn, N. Y.
Shapiro, Sidney Irving, C. 4, fws	Spartanburg, S. C.
Shay, William Hathaway, M. E. 1, fws	Fairfield, Conn.
Shearin, Jesse Edwin, Ed. 2, fws	Littleton
Shedd, Douglas Huse, C. 1, fws	Leonia, N. J.
Shedd, William Blake, A. 4, fws	Leonia, N. J.
Shepard, Frank Armfield, Jr., A. S. 3, f	Liberty
Shepherd, Giles Fremont, Jr., A. 2, fws	Burlington
Shepherd, William Farrel, A. S. 1, fw	Kannapolis
Shepherd, William Vass, A. 3, fws	Raleigh
Sherfesee, Louis, Jr., C. 4, fws	Greenville, S. C.
Sherrill, Junius Phelps, Jr., C. 4, fws	Charlotte
Shevick, Isadore Myers, A. S. 2, fws	Winston-Salem
Shewbert, Bess Lee, Ed. 3, fws	Durham
Shields, James Duncan, Ed. 4, fws	Carthage
Shlefstein, Israel Harry Lish, A. 3, fws	Asheville
Shoemaker, Donald Cleavenger, A. 2, fws	Middletown, Ohio
Shore, Della Frances, L. S. 1, fws B.S., Guilford Col., 1929	Boonville
Shpack, George, A. 3, fws	Irvington, N. J.
Shuford, Harley Ferguson, A. 2, fws	Hickory
Shuford, James Alexander, Jr., C. 3, fws	Lincolnton
Shuford, James Campbell, Jr., M. E. 2, fws	Hickory
Shuford, John Ferdinand, A. S. 2, fw	Hickory
Shuford, Jacob Harrison, A. S. 3, fws	Hickory
Shulman, Frederick, C. 1, fws	Mt. Kisco, N. Y.
Sickel, Leon, C. spec., ws	Lakewood, N. J.
Siebert, Margaret Lenora, A. S. 1, fws	Corapolis, Penna.
Sikes, Charles Culpepper, Law 1, f	Monroe
Silverstein, Samuel Louis, C. 4, fws	Rockingham
Simkins, Thomas Moorman, Jr., Ed. 1, fws	Raleigh
Simmons, Norwood Lee, Jr., A. S. 3, fws	Washington, D. C.
Simon, Joseph, A. 1, fws	Wilmington
Simons, Jerome Benjamin, C. 2, fw	Greensboro
Simonds, Albert Rhett, A. 1, fws	Charleston, S. C.
Sims, Claude Morrison, Ed. 1, fws	Statesville
Sims, Chaille Percy, C. 2, fw	Washington, D. C.
Singer, Bernard Elias, C. 1, fws	Brooklyn, N. Y.
Singleton, Richard Aaron, A. 1, f	Oxford
Sisk, Robert Alonzo, A. S. 2, fw	Danbury
Siske, Grady Cornell, Med. 1, fws Ph.G., 1922	Pleasant Garden

Sisson, Francis TenEyck, Jr., C. 1, fws — Potsdam, N. Y.
Sistare, Lee Chamness, A. 1, fws — Charlotte
Skaggs, Alma Stone, L. S. 1, fws — Chapel Hill
A.B., Meredith Col., 1914; A.B., 1915
Skeen, Leo Brown, Med. 1, fws — Biscoe
Skibik, Martin John. Ci. E. 1, fws — Yonkers, N. Y.
Skinner, Abie Carr, Jr., C. 3, fws — Salisbury
Skinner, Louis Cherry, A. 3, fws — Greenville
Slade, Lester Cowdery, Jr., A. 1, fws — Columbus, Ga.
Slagle, Ruth, Ed. 3, s — Franklin
Slate, Otis Theodore, A. 3, fw — Thomasville
Slater, Joseph Elvy, Jr., E. E. 3, fw — New Bern
Slaughter, Jesse Washington, Ed. 4, fws — Roxboro
Sledge, Etta, Ed. 3, fws — Draper
Sloan, William Neville, Jr., C. 1, fws — Franklin
Sloan, William Weimas, C. 2, fws — Franklin
Sloop, Locke Summerell, Jr., M. E. 1, fws — Charlotte
Slover, George, Law 1, s — New Bern
S.B. in Civil Engg., 1917
Sluder, Fletcher Sumpter, A. S. 1, fws — Asheville
Slung, Raphael, C. 1, f — Louisville, Ky.
Slusser, Frank Willard, C. 4, fws — Blacksburg, Va.
Smiley, Stanley Woodard, C. 4, fw — Fort Bragg
Smiley, Wendell Wayne, L. S. 1, fws — Chapel Hill
A.B. in Educ., 1928
Smith, Alan Alexander, A. 3, fws — Asheville
Smith, Alvin Curtis, Ed. 1, f — Robersonville
Smith, Ann Gertrude, L. S. 1, fws — South Bessemer, Ala.
A.B., Univ. of Ala., 1930
Smith, Andrew Jackson, Jr., A. 3, fws — Gastonia
Smith, Amaziah Parker, A. 4, fws — Goldsboro
Smith, Eleanor Cunningham, A. 4, fws — Newport News, Va.
Smith, Erskine Wakefield, A. 2, fws — Charlotte
Smith, Hermit E., Ph. 1, fw — Jackson Springs
Smith, John Franklin, A. 3, fw — Lexington
Smith, James Garland, M. E. 1, fw — Benson
Smith, James Harold, M. E. 3, ws — Charlotte
Smith, James Harold, C. 3, fws — Burlington
Smith, James Spotswood, C. 3, fws — Capron, Va.
Smith, James Wickliffe, A. S. 3, fws — Fayetteville
Smith, Lonnie Bruce, Jr., A. 1, fw — Pikeville
Smith, Melvin Bowman, A. S. 1, fws — Durham
Smith, Marion Hinson, C. 1, fws — Wagram
Smith, Preston Craig, Ed. 1, fws — Wilmington
Smith, Paul Henry, C. 3, ws — Liberty
Smith, Ruby, A. S. 2, fw — West Jefferson
Smith, Willie Ballance, Med. 1, fws — Fremont
A.B., 1930

Smith, William Cunningham, Jr., M. E. 1, f	Greensboro
Smithson, William Chace, Ed. 1, fws	Stamford, Conn.
Smithwick, Robert Earl, A. 1, fws	Blounts Creek
Snell, Linwood Howard, A. S. 3, fws	Columbia
Snider, Arnold Holmes, Jr., A. 3, fws	Salisbury
Snodgrass, Pearl Alexandra, L. S. 1, fws B.S., Univ. of Vt., 1920; M.A., *ibid.*, 1924	Raleigh
Snyder, Daniel Marshall, Ed. 4, fws	Chapel Hill
Solomon, Bernard Straus, C. 2, fws	Wilmington
Somers, Richard Joseph, A. 1, fws	Columbus, Ga.
Southard, Curtis Glenn, Med. 2, fws	Stokesdale
Southard, James Elmo, Ed. 1, fws	Leaksville
Sovitsky, Lloyd Louis, A. 1, fws	Ansonia, Conn.
Sparks, Paul Reed, Med. 2, fws	Chapel Hill
Sparrow, Preston Williamson, A. 1, fws	Chapel Hill
Sparrow, Rodrick Kinney, A. 3, fw	Wilmington
Spatz, Leo, A. 1, f	Brooklyn, N. Y.
Speight, James Cornelius, C. 3, fw	Spring Hope
Spell, James Bryan, Law 1, fs	Red Springs
Spence, Union Lee, Jr., A. 2, f	Carthage
Spencer, Carroll Mann, C. 2, fs	Statesville
Spencer, Carl Ogburn, Jr., Ed. 2, fws	Spencer
Spencer, Thomas Booth, A. 2, fws	Charlotte
Spetaccino, Nicholas Joseph, A. 3, fws	Elmira, N. Y.
Spiegel, Sidney Joel, C. 1, s	Trenton, N. J.
Spiers, Anne, Ed. 3, fws	Como
Spigel, Julian Nathan, A. S. 3, fws	Spartanburg, S. C.
Spilka, Maurice Charles, A. 1, fws	New York, N. Y.
Spitzer, Lawrence Lippman, A. 4, fws	Yonkers, N. Y.
Spradlin, William Henry, Jr., A. 3, fws	Winston-Salem
Sprinkle, Karl, A. 2, fws	Fortress Monroe, Va.
Spruill, Edward Muse, A. 2, fws	Rocky Mount
Spruill, Frank Parker, Jr., Law 2, fs A.B., 1931	Rocky Mount
Stadiem, Ernest Irving, C. 1, fws	Greensboro
Stafford, Crook Graham, C. 3, fws	Charlotte
Stahr, Alden Joseph, A. 4, f	South Orange, N. J.
Stallings, Clinton Powell, A. 1, f	Enfield
Stallings, George Millard, C. 4, w	Selma
Stallings, James Oliver, C. 3, fws	Selma
Stallings, John Thomas, Ci. E. 1, fws	Pinetops
Stallings, John William, Jr., C. 4, fws	Wilson
Stallings, Luby Frederick, C. 4, fw	Selma
Stallings, Lucius Johnson, A. 1, f	Enfield
Stallings, William Robert, C. 3, fws	Raleigh
Stamper, Guilbert Weaver, A. 2, fws	Greensboro
Stamper, Robert Arthur, Jr., C. 1, fws	Wilson

Stamps, Walker, A. S. 2, fws	Lumber Bridge
Stancil, James Rose, A. 1, fws	Smithfield
Stanley, John Allen, A. 1, fws	Goldsboro
Staples, Ernest Williamson, Jr., C. 3, f	Greensboro
Starbuck, William Augurs, Law 1, fs A.B., 1931	Winston-Salem
Starnes, Wayne Gillespie, C. 1, fw	Newton Grove
Staton, Robert Harold, C. 3, fws	Bethel
Stecher, Olga-Sylvia, A. 3, fws	Berkeley, Calif.
Steele, Allen Dotson, C. 1, fws	Statesville
Steele, George Spencer, A. 1, fws	Rockingham
Steele, James Columbus, C. 1, fws	Statesville
Steere, James Esek, Jr., C. 3, fws	Charlotte
Stein, Harry Benjamin, A. 1, fws	Bridgeport, Conn.
Stein, Harry Binder, A. 2, fws	Fayetteville
Stein, Herbert Mansfield, Jr., E. E. 2, fws	Spring Hill, Ala.
Stein, Raymond Oscar, A. 2, fws	Fayetteville
Steinhauser, John Anton, Ed. 2, fw	Binghamton, N. Y.
Steinreich, Otto Seleck, A. 2, fws	Newark, N. J.
Stephens, Frank Dwight, Jr., C. 1, fws	Charlotte
Stephens, James Lindley, Jr., Ed. 1, fws	Lumberton
Stern, Alexander, C. 1, fws	Newark, N. J.
Stern, Sidney Joseph, Jr., A. 1, fws	Greensboro
Sternberger, Solomon Bear, Law 2, fs	Wilmington
Stevens, Mac Watson, Ph. 1, fws	Broadway
Stevens, Virginia Whitridge, Ed. 3, fws	Martins Point, S. C.
Stevenson, Winfred Boehm, Ed. 1, fws	Wilmington
Stewart, Frances Ellen, A. 4, f	Statesville
Stewart, Hubert Forbes, E. E. 2, fws	Elizabeth, N. J.
Stewart, John Henry, Ed. 4, w	Greensboro
Stewart, Thomas Roosevelt, C. 2, fw	Liberty
Stewart, Walter Eugene, A. 1, fws	Carthage
Stikeleather, James Gudger, Jr., C. 3, fws	Asheville
Stillman, Oscar Julius, A. 1, fws	Newark, N. J.
Stokes, Colin, C. 1, fws	Winston-Salem
Stoll, Joseph George, A. 1, fws	Irvington, N. J.
Stoll, Milton, A. 1, fws	Irvington, N. J.
Stone, George Goodson, A. S. 3, fws	Greensboro
Stone, Marvin Foy, C. 3, fws	Wilmington
Stone, Robert Edwards, Med. 2, fws A.B., 1929	Greensboro
Straus, Jack Bernard, C. 1, fws	Columbus, Ga.
Strauss, Joseph Raymond, Med. 1, fws	New York, N. Y.
Strawn, James Ray, C. 2, fws	Marshville
Strayhorn, Robert Hammond, Jr., C. 1, fws	Spencer
Street, Murdo Eugene, Jr., A. S. 2, fws	Glendon
Strickland, Bernice Edward, Law 1, f	Middlesex

Strickland, Charles Brandon, Ph. 3, fws	Stedman
Strickland, John Fletcher, E. E. 2, fws	Dunn
Strickland, Matthew Emmett, C. 2, fws	Rocky Mount
Strickland, William Lawrence, Ed. 4, fws	Stedman
Striegel, James Frederick, A. S. 2, fws	No. Tonawanda, N. Y.
Stringfellow, William Archie, Law 3, fs	Asheville
Stringfield, Thomas, Med. 1, fws	Waynesville
A.B., Wofford Col., 1931	
Strother, Otis Furman, Ch. E. 1, fw	Lenoir
Stroude, Edna Claire, A. 3, fws	Greenville
Strowd, Mae Braxton, Ed. 3, fws	Chapel Hill
Stuart, Charles Kivett, C. 4, fws	Jackson Springs
Stubbs, Allston Julius, Law 3, fs	Durham
A.B., 1930	
Stumpf, Warren Walter, A. 2, fws	Flushing, N. Y.
Sturgill, James Thomas, A. S. 1, fws	Piney Creek
Stutts, Clyde Livingston, C. 2, f	Gibson
Stutz, Alice Martin, Ed. 4, fws	Southern Pines
Styne, Louise Marguerite, L. S. 1, fws	Lynchburg, Va.
A.B., Randolph-Macon Woman's Col., 1928	
Sugar, Emanuel, C. 1, f	St. Pauls
Sugarman, Joseph J., III, A. 1, fws	Newark, N. J.
Suisman, Joseph, Law 2, fs	New London, Conn.
Suiter, Andrew Herbert, Jr., A. 1, fws	Rocky Mount
Sullivan, Henry Shumate, C. 2, fws	Anderson, S. C.
Sullivan, Louis Gray, C. 2, fws	Anderson, S. C.
Summerville, Walter Monroe, Med. 1, fws	Charlotte
Surprenant, Leonard Clement, Ch. E. 3, fws	Springfield, Mass.
Sussdorf, Elizabeth, L. S. 1, fws	Chattanooga, Tenn.
A.B., Univ. of Chattanooga, 1925	
Suther, Joseph Allan, A. S. 3, fws	Statesville
Suttenfield, Frederick Daniel, A. S. 1, fws	Leaksville
Suttle, Joseph Linton, Jr., C. 3, fws	Shelby
Suttlemyre, Claude Philip, A. S. 3, fws	Granite Falls
Sutton, Holderby Harry, Ph. 1, fws	Kinston
Sutton, Robert Henry, C. 1, fws	Conover
Sutton, Walter Gregg, C. 4, fw	Fayetteville
Swain, Everett Lloyd, E. E. 4, fws	Walkertown
Swan, Donald Anson, C. 1, fws	Potsdam, N. Y.
Swann, William Kirk, A. S. 3, fws	Covington, Ga.
Swift, Thomas Henry, A. 2, ws	Mount Vernon, N. Y.
Tabachnick, Herman Leon, A. 2, s	Brooklyn, N. Y.
Tabb, Warren Lewis, Jr., C. 1, fws	High Point
Taff, Luther Raymond, Ed. 3, fws	Montevallo, Ala.
Taff, Melville Augustus, Jr., A. S. 1, ws	Stamford, Conn.
Talkowsky, Arthur, A. S. 2, fw	Newark, N. J.
Tart, Rupert Graham, Jr., A. S. 2, fws	Dunn
Tate, Donald Oswald, Ph. 1, fws	Cliffside

Tatum, James Moore, C. 2, fws	McColl, S. C.
Tatum, Marion Colyene, A. 4, fws	Raleigh
Taub, Arthur Maton, A. 1, fws	New York, N. Y.
Taylor, Amos Hill, A. S. 3, fws	Bell Buckle, Tenn.
Taylor, Charles Edward, A. 4, fws	Newburgh, N. Y.
Taylor, Charles Winfield, Law 1, fs	Rocky Mount
Taylor, George Royster, C. 1, fws	Greensboro
Taylor, Gilbert Smith, A. 2, f	Valle Crucis
Taylor, Henry Clay, Jr., C. 2, fws	Louisburg
Taylor, Herbert Hamilton, Jr., A. 4, fws	Kinston
Taylor, Huber Topping, Law 2, fs	Como
Taylor, Joseph Albert, A. S. 1, fws	Florence, S. C.
Taylor, Julian Knox, Jr., C. 3, fws	Wilmington
Taylor, James Young, Jr., C. 4, fws	Morganton
Taylor, Melvin Francis, M. E. 2, fws	Sealevel
Taylor, Thomas Jefferson, Med. 2, fws	Enfield
Taylor, Thomas Russell, Jr., Ch. E. 3, fws	Asheville
Teachey, Daniel Byron, Ed. 3, f	Rose Hill
Teachey, James Clifton, Jr., C. 4, fws	Greensboro
Teachey, William Roosevelt, Ed. 2, fws	Rose Hill
Teal, Frederick Thomas, Ed. 2, fws	Hoffman
Teele, Leonard Bennette, C. 2, fws	Shelby
Teer, Thomas Walter, A. 4, fws	Durham
Temple, James Pettigrew, Jr., Ed. 2, fws	Selma
Temple, Rufus Henry, Jr., A. S. 4, fws	Kinston
Temple, Thomas Mervin, Jr., A. 3, s	Philadelphia, Penna.
Templeton, Charles Stephens, Ed. 2, fws	China Grove
Tennant, William Dixon, A. 3, fws	Rochester, N. Y.
Tenney, John Brooks, Jr., Ed. 2, f	Portsmouth, Va.
Terry, Nathaniel Chatham, A. 1, fws	Pamplin, Va.
Terry, Walter Matthews, Jr., A. 1, fws	New Canaan, Conn.
Tew, Cecil D., A. 1, fws	Clinton
Tharrington, Bruce Hight, Ed. 4, fws	Louisburg
Tharrington, Leonard Walker, C. 1, f	Rocky Mount
Thomas, Bonner Gibbs, C. 2, f	Erwin
Thomas, Edward Frank, Ch. E. 4, fws	Chapel Hill
Thomas, John Lewis, C. 4, w	Reidsville
Thomas, James Ranford, Ed. 1, fws	Monroe
Thomas, James Tanner, A. S. 1, ws	Greensboro
Thomas, Martha Frances, Ed. 3, fws	Richmond, Va.
Thomas, Wilbur Winston, C. 1, fws	Rocky Mount
Thomasson, Glenn Lafayette, Ed. 2, f	Bryson City
Thompson, Alexander Frank, A. S. 1, fws	Troy
Thompson, Albert William, Jr., A. S. 2, f	Fuquay Springs
Thompson, Carl George, Jr., A. 1, fws	Southern Pines
Thompson, Charles Page, Ph. 3, fws	Swepsonville
Thompson, George Ward, C. 4, fws	Elizabeth City

Thompson, Harold Woodruff, A. S. 1, fws	Low Gap
Thompson, Jack, C. 3, fws	Winston-Salem
Thompson, James Boylan, C. 3, f	Raleigh
Thompson, Joseph E., A. 2, f	Morven
Thompson, John Melvin, Jr., A. 2, fws	Mebane
Thompson, Kern Lee, Jr., A. 3, fws	Burlington
Thompson, Lonnie Knox, Jr., A. S. 2, fws	Greensboro
Thompson, Lloyd Ogburn, A. 2, fws	Greensboro
Thompson, Madeline Jeannette, A. 3, fws	Chapel Hill
Thompson, Neill Archie, A. S. 3, f	Lumberton
Thompson, Paul Meredith, A. S. 2, w	Mt. Vernon, N. Y.
Thornberg, Walter Monroe, E. E. 2, fw	Timberland
Thornburg, Ormond Rudolph, A. S. 1, fws	Charlotte
Thornton, John, Med. 2, fws	Greensboro
Thorpe, Foster Brown, Ci. E. 1, fws	Bryson City
Thurston, Doc Jones, Jr., E. E. 4, fws	Clayton
Tilford, Paul Potter, C. 3, fws	Smith's Basin, N. Y.
Tilghman, Henry Granville, A. 3, fw	Dunn
Tiller, Bertha Stone, Ed. 1, f	Chapel Hill
Tillery, Jack Gregory, A. S. 2, fws	Halifax
Tillman, Murray Clayton, Ed. 1, f	Dover
Todd, Calvin Grier, C. 4, fws	Belton, S. C.
Toler, Verne William, Ed. 3, fws	Washington
Toler, William Henry, A. 1, f	Rocky Mount
Tomlinson, James Rousseau, C. 4, ws	North Wilkesboro
Tomlinson, William Seabohm, C. 4, fws	North Wilkesboro
Toole, Arthur Fulkerson, Med. 1, fws	Asheville
Torbert, James Foster, Ed. 3, fws	Charlotte
Torian, John Potter, A. 3, fws	Indianapolis, Ind.
Totten, Addie Williams, Ed. 4, ws	Chapel Hill
Townsend, Newman Alexander, Jr., A. 2, fws	Charlotte
Trabue, Charles Clay, Jr., Law 2, fs	Nashville, Tenn.
Tracy, Lyndon Sanford, Jr., M. E. 1, fws	Syracuse, N. Y.
Trimble, Lucy Mildred, Ed. 3, fws	Monterey, Va.
Triplett, Homer Corbin, Ed. 4, fws	Maple Springs
Trott, Graham Foard, C. 4, fws	Wilmington
Trubnick, Bernard Louis, C. 1, fws	Newark, N. J.
Trull, George Irvine, A. 4, ws	Elizabeth, N. J.
Tsumas, Harry Peter, Ci. E. 4, fws	Statesville
Tucker, Carl Millon, Jr., C. 4, fws	Marshville
Tucker, Henry Lansing, Ed. 1, fws	Townsville
Tucker, Irving Burchard, Jr., A. 2, fws	Whiteville
Tucker, Susanne Battle, L. S. 1, fws A.B., Meredith Col., 1931	Raleigh
Turlington, James Woodall, A. S. 1, f	Fremont
Turpie, Charles J., Jr., Ci. E. 1, fws	Charlotte
Tyree, Lemuel Preston, Jr., C. 2, fws	Winston-Salem

Tysinger, Glenn Wesley, C. 1, f	Winston-Salem
Tyson, Thomas Eugene, A. 1, fws	Asheboro
Umstead, Edwin Victor, A. S. 4, fw	Stem
Umstead, Raymond Puckett, Ed. 4, ws	Stem
Underwood, James Thomas, Ed. 1, fws	Wilson's Mill
Underwood, Neal Alexander, A. 4, fws	Sanford
Unger, Sidney Saul, C. 1, fws	Newark, N. J.
Upchurch, Malcolm Thurston, Ph. 3, fw	Apex
Upshaw, Sage Hardin, C. 4, fws	Raleigh
Usher, Peter Clyde, A. S. 4, f	Chapel Hill
Usry, Sidney Harmon, E. E. 2, fws	Chapel Hill
Utley, Anna Lee, Ed. 3, fws	Durham
Utter, William Thomas, A. 1, fw	Hamlet
Uzzell, William Egbert, C. 4, fws	Louisburg
Van Sleen, Robert, E. E. 1, fws	Gastonia
VanStory, James Pressly, A. S. 1, fws	Lincolnton
Valk, Arthur deTalma, Jr., A. 3, fws	Winston-Salem
Vanhoy, George McKinley, Ed. 3, s	Piney Creek
Vann, Edward Mathews, C. 2, fws	Rocky Mount
Vann, James Wessell, Ed. 4, s	Salemburg
Vaughan, John Southgate, A. 4, f	Woodland
Verburg, Paul Leonard, III, Ci. E. 3, fws	Flushing, N. Y.
Vick, George Davis, Jr., A. 3, fw	Selma
Vick, Lucian Thurman, C. 1, fws	Wilson
Vincent, Norfleet Reed, Ed. 1, fws	New Bern
Vinson, Herman, C. 4, ws	Autreyville
Vinson, William Gaston, C. 1, fws	Winston-Salem
Vitz, Howard Engeles, A. S. 2, fws	Toledo, Ohio
Voss, Fountain Gwyn, A. 1, f	King
Wadsworth, James Edgar, Ed. 2, fws	Parkersburg
Wadsworth, William Hubert, A. S. 1, fw	Parkersburg
Wagner, William Howard, Jr., Ed. 2, fws	Middlesex
Wagoner, Ellison Leftrage, Jr., E. E. 1, fws	Whitehead
Wagstaff, Mary Frances, A. 4, fws	Chapel Hill
Waldman, Milton Herbert, A. 1, ws	Brooklyn, N. Y.
Waldo, Mary Carstarphen, Ed. 3, fws	Hamilton
Waldrop, Joseph Edmund, A. 1, fws	Hendersonville
Walens, Samuel David, C. 2, ws	Waterbury, Conn.
Walker, Alice Evan, Ed. 4, fws	Willoughby Beach, Va.
Walker, Albert Sidney, Ed. 4, s	Asheboro
Walker, Erwin Goode, A. 3, fws	Charlotte
Walker, Nathaniel Wilson, Jr., A. 1, fws	Chapel Hill
Walker, Reese B., M. E. 1, ws	Atlanta, Ga.
Walker, Thomas Henry, A. 3, fws	Chapel Hill
Walker, William Woodard, C. 3, f	Asheville
Wall, Benjamin Rutledge, Ed. 1, fws	Lilesville

Wall, Carl Herman, C. 3, fws	Morganton
Wall, Guy LeRoy, Ed. 2, fws	Tobaccoville
Wall, John Edgar, Jr., A. 4, s	Benson
Wall, James Graham, Ed. 4, fw	Benson
Wall, John Robertson, A. 2, fws	Biltmore
Wallace, John, A. S. 3, fw	Pocahontas, Va.
Wallace, John Beardsley, A. S. 3, fws	Warren Plains
Walters, Dorothy, L. S. 1, fws	Warrenton
B.A., Converse Col., 1926	
Walters, Fletcher Alphonso, A. 1, fws	LaGrange
Ward, Clement Manly, Jr., Ed. 2, ws	Castle Hayne
Ward, Donald Blow, A. 2, f	Smithfield
Ward, James Benjamin, A. S. 2, fws	Wilmington
Ward, Mary Pickett, A. spec., fws	New Bern
Ward, Richard Quillen, Ed. 2, fws	Battleboro
Ward, Vernon Albert, Jr., A. 3, f	Robersonville
Wardlaw, Charles Digby, Jr., Law 1, fs	Plainfield, N. J.
Wardlaw, Frederick Colman, A. 4, fws	Plainfield, N. J.
Warshauer, Samuel Edward, A. 4, fws	Wilmington
Wasserman, Jesse Lloyd, C. 3, f	Far Rockaway, N. Y.
Waterhouse, George, A. 4, fws	Beaufort, S. C.
Waters, Herman Lewis, C. 2, fs	Rocky Mount
Watkins, James Craig, Ed. 4, fws	Cliffside
Watkins, Thomas Henry, Law 1, fs	Jackson, Miss.
Watson, Anna Gray, Ed. 3, fws	Louisburg
Watson, Frank Green, C. 2, fws	Rocky Mount
Watson, Hubert Howard, Ed. 1, fws	Morven
Watson, Louis Wallace, A. S. 2, fws	Atlantic City, N. J.
Watson, Thomas Speight, A. S. 3, fws	Rocky Mount
Watt, James, Med. 1, fws	Thomasville, Ga.
A.B., Davidson Col., 1931	
Watt, William Frank, Jr., E. E. 1, fws	Charlotte
Watts, Clifford Glenn, Ed. 1, fws	Taylorsville
Way, Johnnie Edward, A. 2, fws	Beaufort
Way, William Andrew, Ed. 2, f	Beaufort
Weatherman, John Bristol, C. 1, fws	Statesville
Weathers, Ray Elam, Ed. 2, fws	Shelby
Weathers, Virgil Stone, Ed. 2, fws	Shelby
Weaver, James Ralph, Jr., Ed. 3, fws	Chapel Hill
Weaver, William Bert, Jr., A. 1, fws	Spray
Webb, Alexander, Jr., A. 2, fws	Raleigh
Webb, Elizabeth Drane, A. 4, fws	Hillsboro
Webb, Eugene Lee, C. 3, fws	Thomasville
Webb, Joseph Cheshire, Jr., C. 1, fws	Hillsboro
Webb, John Frederick, Jr., Ed. 1, fws	Oxford
Webb, Mandeville Alexander, A. 4, fws	Asheville
Webb, Thomas, C. 2, fws	Fayetteville

Webb, Thomas Norfleet, A. 4, fws	Hillsboro
Webster, Bernice Latcher, Ed. 1, fws	Leaksville
Webster, William Oscar, Jr., C. 2, fw	Columbus, Ga.
Weeks, Cameron Sinclair, A. 2, fs	Tarboro
Weeks, Orin Haywood, A. 4, fws	Swansboro
Weeks, Thomas White, C. 4, fws	Elizabeth City
Weesner, Richard Wilson, C. 1, fws	Nashville, Tenn.
Weil, Lionel Solomon, A. 4, fws	Goldsboro
Weiland, Henry Jacob, Jr., A. S. 3, fws	Greensboro
Weinberg, Arthur Howard, A. 2, fws	Newark, N. J.
Weiner, Daniel, A. 2, fws	Roxbury, Mass.
Weiner, Edward Meyer, Ed. 1, fws	Elizabeth, N. J.
Weinstein, Mayer David, C. 3, fws	Reidsville
Weisker, Alexander, C. 2, f	New York, N. Y.
Welch, John Tunstall, Ed. 2, fws	Warrenton
Wellons, Lee Douglas, Ed. 2, fws	Micro
Wells, Harold William, Jr., C. 1, fws	Wilmington
Wells, Norman Eugene, C. 3, fws	Mt. Holly
Wells, Reeves Herman, Ed. 4, fws	Leicester
Wells, Robert Rodney, Ph. 1, fws	Henrietta
Welty, Homer John, A. S. 2, fws	San Francisco, Calif.
Wenrick, John Linford, Ph. 1, fw	Harrisburg, Penna.
Wertheim, Donald, A. 1, fws	Douglaston, N. Y.
Wertz, Vance Grazier, A. 3, fws	Tyrone, Penna.
West, George Edison, Ed. 4, fws	Grassy Creek
Westall, Benford Scott, Ed. 4, fws	East Flat Rock
Westbrook, James Augustus, Ci. E. 1, fws	Rocky Mount
Wharton, Albert Clinton, Jr., C. 2, f	Reynolda
Wheary, Kermit, A. 4, fws	Crewe, Va.
Whedbee, Charles Harry, Law 2, fs	Greenville
Whedbee, Jocelyn Elizabeth, Ed. 4, fws	Hertford
Wheeler, Edward Earle, Jr., C. 2, ws	Asheville
Wheeless, George Ventrus, C. 2, fws	Nashville
Wheeless, James Manare, Jr., Ph. 1, fws	Farmville
Whisnant, Howard Preston, Ed. 4, w	Belmont
Whisnant, Wade Durant, Ed. 3, fws	Hickory
Whitaker, Richard Harper, Med. 2, fws	Oak Ridge
Whitaker, Robert Roy, C. 1, f	Oak Ridge
White, Chalmers Lindly, Jr., Ci. E. 4, fws	Concord
White, Frances, Ed. 1, fws	Chapel Hill
White, Howard Vernon, A. S. 1, fw	Townsville
White, Mary Christine, Law 1, fs	Edenton
White, Stephen Alexander, A. 4, fws	Mebane
White, Taul Bradford, Jr., A. 2, fws	Rome, Ga.
White, Thomas Livingston, Ed. 4, fws	Murfreesboro
White, Thomas Skinner, Jr., C. 3, fws	Hertford

Whitehead, Charles Howard, Jr., A. 1, fws	Portsmouth, Va.
Whitehead, John Francis, A. 3, fws	New Haven, Conn.
Whitehead, Lewis Willard, A. 2, fw	Lewiston
Whitehead, Oren Leonidas, Ed. 2, fws	Asheville
Whiteley, Iley Chester, A. 4, fws	Morganton
Whiteley, Robert Scott, Ph. 1, fws	Greensboro
Whitfield, Durwood Garland, Jr., C. 1, fws	Charlotte
Whitfield, Joseph Benjamin, A. S. 1, fws	Hamlet
Whitley, Thomas Harrison, Ed. 2, fws	Burlington
Whitney, Vincent Heath, A. 1, fws	Wakefield, Mass.
Whitsett, William Thornton, Jr., Ed. 4, fws	Whitsett
Whittington, Robert Jerome, Jr., C. 3, fws	Greensboro
Whitton, John Winchester, Ci. E. 2, fw	Charlotte
Wiggins, John Bowers, C. 1, fws	Edenton
Wigins, Noland Elvin, C. 4, fws	Dudley
Wiggs, John Hayden, C. 2, ws	Selma
Wilday, Wynant Temple, A. S. 1, fws	Elizabeth, N. J.
Wilder, Carlton Edwards, A. 4, fws	Greensboro
Wilder, Lynn, Jr., Law 1, fs	Raleigh
Wilder, Roy E., Jr., A. 1, fws	Spring Hope
Wilder, Virginia Welles, Ed. 4, fws	North Halston, Va.
Wiley, Thomas Polhemus, Jr., C. 1, fws	Auburn, N. Y.
Wilkins, Elmer Vernon, C. 3, fws	Smithfield
Wilkins, Joseph Monroe, C. 3, fw	Sanford
Wilkins, Samuel Austell, Jr., A. S. 1, fws	Dallas
Wilkinson, John Archbell, A. 4, fws	Pantego
Willey, Harry Swain, A. S. 2, fws	Arlington, N. J.
Williams, Alfred Alston, Jr., E. E. 1, fws	Warrenton
Williams, Buxton Barker, A. 3, fws	Warrenton
Williams, Clyde Irwin, C. 1, fws	Graham
Williams, Francis Dudley, A. 3, fws	Asheville
Williams, James Franklin, C. 1, fws	Salisbury
Williams, James Leek, C. 2, fws	Goldsboro
Williams, John Sharpe, C. 4, fws	Lewisville
Williams, James Wright, Ed. 2, fws	Polloksville
Williams, John Watkins, Jr., A. S. 3, fws	Washington
Williams, Newton Isaac, Ed. 1, fws	Newton Grove
Williams, Robert Hackney, A. 1, fws	Clearwater, Fla.
Williams, Rhoderick Thomas, A. S. 2, ws	Greenville
Williams, Zebulon Vance, C. 2, ws	Lewisville
Williamson, Albin Creo, M. E. 2, fw	Hobucken
Williamson, Colie Vernon, Ed. 4, fs	Hobucken
Williamson, Edwin Holt, Jr., A. S. 1, fws	Fayetteville
Williamson, Harry Webb, C. 1, fws	High Point
Williford, John Robert, Ed. 3, fws	Aulander
Willis, Emmett Clive, Jr., A. 3, fws	Southmont
Willis, James Belmont, C. 1, f	Morehead City

Willis, Miriam Carlyle, Ed. 3, fws	Hamlet
Willis, Reginald Nelson, A. 1, fw	Morehead City
Willis, Richard T., C. 1, fws	Bethesda, Md.
Wilmer, Francis Helman, C. 2, fws	Conshohocken, Penna.
Wilpan, Charles Lionel, A. 4, fws	Washington, D. C.
Wilson, Carrie B., Ed. 3, w	Madison
Wilson, Franklin, A. 1, fws	Winston-Salem
Wilson, George Dixon, Ed. 1, fws	Dover
Wilson, Gordon Davie, A. S. 2, fw	Winston-Salem
Wilson, George Norman, C. 2, f	Charlotte
Wilson, George Wood, Jr., A. 3, fws	Charlotte
Wilson, Hilliard Baxley, A. S. 3, f	Lenoir
Wilson, Hugh McLean, A. 3, fws	Haverford, Penna.
Wilson, James Townsend, Jr., A. 3, fws	Pitman, N. J.
Wilson, Kenneth Stauber, A. 3, fws	Winston-Salem
Wilson, Leonard Woodrow, A. 1, fws	Draper
Wilson, Paris Franklin, C. 3, fws	Fallston
Wilson, Roscoe Bates, Jr., M. E. 1, fws	Greenville, S. C.
Wilson, Richard Edward, Jr., A. 3, fws	Charlotte
Wilson, Robert Edmund, A. 2, fw	Charlotte
Wilson, Samuel Paul, A. S. 1, fws	New Haven, Conn.
Wilson, Thomas Woodrow, M. E. 1, fws	Fallston
Wilson, Walter Howard, A. 3, fws	Greenville
Winslow, Florence, L. S. 1, fws A.B., Earlham Col., 1925	Kansas City, Mo.
Winslow, Julian Dallas, Jr., A. 1, fws	Elizabeth City
Winslow, Richard Lemuel, A. 2, fws	New York, N. Y.
Winstead, Jordan David, Jr., C. 3, fws	Rocky Mount
Wishnefsky, Edward, A. S. 2, fws	Brooklyn, N. Y.
Withers, John Pescud, A. 1, fws	Raleigh
Withers, William Alphonso, A. 4, fws	Raleigh
Withers, Walter Barron, C. 2, f	Charlotte
Withrow, Charles Kenyon, Ed. 2, fws	Hollis
Withrow, Emmett James, A. 2, fws	Forest City
Woerner, William Robert, A. 2, fws	Richmond, Va.
Wolf, Frederick Taylor, A. 1, fws	Durham
Wolfe, William Byron, A. 1, fws	State Road
Wolfson, Oliver Williard, A. 1, f	Flushing, N. Y.
Wolke, Frederick Gerard, Ed. 2, fs	Weehawken, N. J.
Wolslagel, Earl Woodall, A. 1, fws	Biltmore
Wolters, William Henry, A. S. 1, fws	Plainfield, N. J.
Womack, James Hubert, C. 1, f	Carthage
Womble, Gus May, A. 2, fw	Sanford
Womble, John Lonnie, Jr., C. 2, fws	Moncure
Womble, Logan Nyal, Jr., Ph. 1, fws	Pittsboro
Wood, Dudley Hubert, A. 4, fws	Phenix City, Ala.
Wood, Marquis Lawrence, A. 1, fws	Rockingham

Wood, Richard Davis, Jr., A. 4, fw — Philadelphia, Penna.
Wood, William Robert, C. 2, fws — Asheville
Woodard, Marvin Erastus, C. 4, w — Goldsboro
Woodard, Wayne Owen, Ed. 4, fws — Bryson City
Woodard, William Thaddeus, Jr., Ed. 2, fws — Selma
Woodley, Buick Wade, C. 4, fws — Ellerbe
Woodson, Horatio Nelson, Law 3, fs — Salisbury
A.B., 1929
Woollen, Charles Thomas, Jr., C. 2, fws — Chapel Hill
Worrall, Thomas McVickar, A. 3, fws — Asheville
Worth, Thomas Clarkson, A. 3, fws — Raleigh
Wray, William B., Jr., C. spec., f — Burnsville
Wrenn, Creighton, Med. 1, fws — Garner
A.B., 1930
Wright, Kenneth Osgood, C. 3, fws — Peabody, Mass.
Wright, Lenoir Chambers, A. 3, fws — Charlotte
Wright, Luke Williams, A. 1, fw — South Mills
Wright, Margaret Booker, L. S. 1, fws — Greenwood, S. C.
A.B., Lander Col., 1925
Wright, Thomas Hassell, Jr., A. 4, fws — Charlotte
Wright, William Alderman, A. 2, fws — Greenville
Wright, William Augustus, A. 1, fws — Asheville
Wyrick, Samuel Turner, Jr., C. 2, f — Greensboro
Yancey, Florence Carson, A. 4, fws — Marion
Yancey, Noel Marcus, A. 1, fws — Morganton
Yancey, Samuel Motz, Law 1, fs — Marion
Yancey, Virginia Flemming, C. 3, fws — Marion
Yarborough, Edward Foster, A. 4, f — Louisburg
Yarborough, Kemp Plummer, A. 3, ws — Louisburg
Yarborough, Richard Fenner, A. 3, fw — Louisburg
Yewens, Harry Edward Robert, Jr., A. 2, fws — Scranton, Penna.
Yokeley, John Hale, A. 4, fws — Mt. Airy
Young, Henry Lane, Jr., C. 1, fws — Atlanta, Ga.
Young, Ina Vivian, C. spec., f — Durham
A.B., Trinity Col. (now Duke Univ.), 1917; A.M., 1931
Young, Jefferson Banks, C. 3, fws — Raleigh
Young, James Sanford, A. 1, fws — Columbus, Ga.
Young, Kenneth Wharton, A. 1, fws — Durham
Young, Norwood Roswell, A. 1, f — Angier
Young, Wiley Royster, A. 4, ws — Angier
Zaglin, Joseph Goldberg, A. 3, fws — Fayetteville
Zaiser, Eugene Carl, C. 1, fws — Mineola, N. Y.
Zappa, Cicero Joseph, Ed. 1, fws — Baltimore, Md.
Zelley, Henry Noel, E. E. 3, fws — Roselle Park, N. J.
Zerbst, Walter Richard, A. 2, f — Jackson Heights, N. Y.
Zimmerman, John Oakley, M. E. 2, fw — Lynchburg, Va.
Zimnoch, Stanley Patrick, Ed. 1, fw — New York, N. Y.
ZumBrunnen, Ida Lee, A. 3, fws — Salisbury

SUMMARY OF STUDENTS, 1931-1932

	Men	*Women*	*Total*	*Total*
GRADUATES	209	88	297	297
SCHOOL OF LIBRARY SCIENCE	3	33	36	36
UNDERGRADUATES:				
Fourth Year	331	62	393	
Third Year	458	52	510	
Second Year	672	8	680	
First Year	766	16	782	2,365
SPECIAL STUDENTS:				
Public Welfare	....	3	3	
Other Specials	40	11	51	54
STUDENTS IN LAW:				
Third Year	27	1	28	
Second Year	36	....	36	
First Year	49	4	53	
Summer Quarter (1931—Credit)	80	....	80	197
STUDENTS IN MEDICINE:				
Second Year	36	1	37	
First Year	37	1	38	75
STUDENTS IN PHARMACY:				
Third Year	18	1	19	
Second Year	21	....	21	
First Year	39	2	41	81
Totals	2,822	283	3,105	3,105
STUDENTS IN THE SUMMER QUARTER, EXCLUDING LAW STUDENTS, 1931:				
Graduates	283	242	525	
Undergraduates	571	766	1,337	1,862
Academic and Summer Quarter (1931) Totals	3,676	1,291	4,967	4,967
STUDENTS IN THE EXTENSION DIVISION:				
Correspondence (Degree Credit)	389	126	515	
Correspondence (Degree and Certificate Credit)	13	59	72	
Correspondence (Certificate Credit)	71	583	654	
Correspondence (Non-Credit)	11	25	36	1,277
Class Instruction (Degree Credit)	8	18	26	
Class Instruction (Degree and Certificate Credit)	35	164	199	
Class Instruction (Certificate Credit)	44	427	471	
Class Instruction (Non-Credit)	4	10	14	710
Total Extension Division				1,987
Total, Excluding Non-Credit Students	4,236	2,668	6,904	6,904
Deduct Duplications	207	187	394	394
Net Regular Students	4,029	2,481	6,510	6,510
Total Non-Credit Students	15	35	50	50
Grand Total, excluding duplications	4,044	2,516	6,560	6,560

INDEX

Absences, 59.
Accounting, Courses in, 96.
Administration, Officers of, 10.
Administrative Boards, see under each division.
Admission to the University, 38-43.
Admissions and Administration, Division of, 159.
Advanced Standing, Admission to, 38.
Aeronautical Engineering, 177, 187.
Aid, Pecuniary, 49-54.
American Institute of Electrical Engineers, 76.
American Pharmaceutical Association, Branch of, 252.
American Society of Civil Engineers, 76.
American Society of Mechanical Engineers, 76.
Anatomy, Courses in, 237.
Applied Science, School of, 168.
Archaeology, Courses in, 90.
Athletics, 30, 66-71.
  Rules of Eligibility to, 67-71.
Athletics and Debating, 219.
Attendance Regulations, 59-61.

Bacteriology, Courses in, 238.
Bible Study, Courses in, 78.
Bills, Payment of, 58.
Biology, *see Botany and Zoölogy.*
Board, 48.
Botany, Courses in, 80, 246.

Calendar, Events, 2.
Carolina Playmakers, 77.
Cercle Francais, 75.
Certificates, Entrance by, 38.
Chapel Exercises, 29.
Chemical Engineering, Curriculum, 175.
  Courses in, 84, 178, 179.
Chemistry, Curriculum, 169.
  Courses in, 82-86.
Civil Engineering, Curriculum, 175.
  Courses in, 179-183.
Classical Languages, Courses in, 86-90.
Clubs, 75-78.
Coif, The Order of the, 238, 268.
College of Liberal Arts, 161.
Commencement of 1931, 260-265.
Commerce, Curricula, 202-204.
  School of, 196.
  Courses in, 95-100.
Commercial and Industrial Relations, 218.
Committees of the Faculty, 26-27.
Community Drama, 217.
Community Music, 218.
Comparative Literature, *see General and Comparative Literature.*
Conduct, 59.
Coöperative Engineering Education, 174.
Correspondence Courses, 216.
Council, Student, 72.
Courses, Arrangement of, 58.
  by Departments, 80-158.
  in Law, 226-230.
  in Medicine, 237-241.
  in Pharmacy, 249-251.
  by Correspondence, 216.
  by Extension Class Instruction, 216.
  Method of Numbering, 79.
  Reduction of Credit for, 79.
Curricula, *see under proper School.*

Deans of Colleges and Schools, 10.
Debating and Athletics, 219.
Debating, Course in, 111.
  Eligibility for, 71.
Degrees, *see under different Schools.*
Degrees offered, 29.
Delayed Registration, 58.
Deutsche Verein, 75.
Dialectic Literary Society, 74.
Diploma Fee, 47.
Discipline, 30.
Dismissal for Misconduct, 59.
  Honorable, 66.
Distinction, Degrees with, 166.
Dormitory Rooms, 48.
Dramatics, Courses in, *see English.*
  Eligibility for, 71.
Drawing, Courses in, 177.

Economic and Social surveys, 218.
Economics, Courses in, 91-95.
Economics (Rural), Courses in, 151-153.
Education, Curricula, 190-193.
  Courses in, 100-108.
  School of, 189.

Educational Research, 194.
Information and Assistance, 195, 219.
Elementary Education, Curriclum in, 192.
Electrical Engineering, Curriculum, 176.
Courses in, 183-185.
Eligibility for Athletics, 67-71.
for Continuing in Residence, 64.
for Fraternities, 65.
for Student Activities, 71.
Elisha Mitchell Scientific Society, 74.
Embryology, Course in, 238.
Engineering, Courses in, 177-188.
The School of, 173.
Societies, 76.
English, Courses in, 108-114.
Entertainment Course, Student, 71.
Entrance Examinations, 38.
Entrance Requirements, 39, etc.
Entrance, Subjects Accepted for, 40.
Examinations, Comprehensive, 62.
for Entrance, 38.
for Removal of Conditions, 62.
Regulations concerning, 61-63.
Expenses, Fees, 44-48.
Extension Class Instruction, 216.
Extension Division, 214.
Extension Lectures, 217.

Faculty, University, 12-26.
Committees, 26-27.
Fees, 44-48.
Fellows, Teaching, 24.
Fellowships, 49.
Folk Music, Institute of, 36.
Foundation of the University, 28.
Francais, Le Cercle, 75.
Fraternities, 65.
Free Tuition, 51, 190.
French Club, The, 75.
French, Courses in, 145-148.
Freshman Week, 57.

General and Comparative Literature, Courses in, 114-116.
General Engineering, Courses in, 177, 178.
Geography, Courses in, 116-119.
Geology, Curriculum, 170.
Geology, Courses in, 116-119.
German Club, The, 75.
German, Courses in, 120, 121.
Government of the University, 28.
Student, 72.
Courses in, 128-131.

Grades of Scholarship, 63.
Graduate School, 209.
Credit Courses in, 211, 212.
General Requirements of, 210.
Graduation, 65.
Greek, Courses in, 86.

High School Journal, 195.
Histology, Course in, 237.
History, Courses in, 122-128.
Home Study Courses, 216.
Honorable Dismissal, 66.
Honors, Courses for, 166.
Hygiene, Courses in, 239.

Information, General, 28-30.
Infirmary, 30.
Institute for Research in Social Science, 34.
Institute of Folk Music, 36.
Instruction, Officers of, 12-26.
Italian, Courses in, 150, 151.

Journalism, Courses in, 131.
Curriculum, 165.

Laboratory Fees, 45-47.
Late Registration, 58.
Latin, Courses in, 88-90.
Laundry fee, 45.
Law Review, North Carolina, 231.
Law, The School of, 220.
Requirements for Entrance, 221.
Courses, 226-230.
Degrees in, 223-225.
The Combined Degrees, 223, 224.
Prize in, 231.
Special Regulations in the School of, 225.
Special Students in, 222.
Summer School of, 230.
Learned Societies, 74.
Lectures, Public, 73.
Bureau of, 217.
McNair, 73.
Weil, 73.
Liberal Arts, College of, 161.
Libraries, Departmental, 32.
Library, The University, 31.
Library Science, Courses in, 132, 256, 259.
Requirements for entrance, 254.
School of, 253.
Special Staff, 253.

Entrance Requirements, 254.
Curricula, 256.
Literary Societies, 74.
Loan Funds, 52-54.

McNair Lectures, 73.
Materia Medica, Courses in, 246, 247.
Mathematics, Courses in, 132-137.
Mechanical Engineering, Courses in, 185-188.
Curriculum, 176.
Medals and Prizes, 55, 56.
Medical Attention, 30.
Medicine, Bachelor of Science in, 169.
Courses in, 237-241.
Curriculum, 236.
Requirements for Entrance, 43, 235.
Scholarship (Wood) in, 235.
School of, 233.
Special Regulations, 236, 237.
Special Teaching Staff, 233.
Mineralogy, Courses in, *see Geology.*
Mitchell Scientific Society, 74.
Modern Languages, *see German, French, etc.*
Municipal Information, etc., 218.
Music Clubs, 76.
Music, Curriculum, 166.
Courses in, 137-139.
Folk, Institute of, 36.
Musical Activities, 76.
Clubs, Eligibility for, 71.

North Carolina Club, The, 75.
North Carolina Law Review, 231.
Numbering Courses, Method of, 79.

Orginization of the University, 28.

Pathology, Courses in, 239.
Pecuniary Aid, 49-54.
Pedagogy, *see Education.*
Pharmaceutical Chemistry, Courses in, 247-249.
Pharmacology, Courses in, 240, 246.
Pharmacy, Curriculum, 244-246.
Courses in, 249-251.
Graduate in, 244.
Prizes in, 251.
Requirements for Entrance, 43.
Scholarships in, 251-252.
School of, 242.
Phi Beta Kappa, Elected 1931, 268.
Philanthropic Literary Society, 74.
Philological Club, 74.
Philosophy, Courses in, 139, 140.
Physical Diagnosis, 241.
Physical Education, Courses in, 140.
Physical Training, 30.
Physics, Courses in, 140-142.
Physiology, Courses in, 241.
Playmakers, Carolina, 77.
Predental Curricula, 171, 172.
Premedical Curriculum, 171.
Press, The University of N. C., 33.
Prizes, 55, 56.
Psychology, Courses in, 142-145.
Public Lectures, 73.
Public Speaking, Courses in, *see English.*
Public Welfare, School of, 205.
Professional Courses offered, 208.

Qualitative Requirements, 64.

Record, Statements of, 47, 66.
Recreation, etc., 219.
Reduction of Credit, 79.
Reëntrance, Requirements for, 64.
Registration in University, 57.
Regulations, 57-71.
Religious Influences, 29.
Rho Chi Honorary Society, 252.
Romance Languages, Courses in, 145-151.
Rooms, Assignment of, 58.
Rural Social Economics, Courses in, 151-153.

Scholarship, Grades of, 63.
Scholarships, List of, 49.
Science, School of Applied, 168.
Self Help, 54.
Sigma Xi, Elected 1931, 268.
Social Science, Institute for Research in, 34.
Societies, Learned, etc., 74.
Literary, 74.
Sociology, Courses in, 153-156.
Southern Conference Rules, 67-70.
Spanish Club, The, 75.
Spanish, Courses in, 148-150.
Standing (Grades), 63.
Student Activities, Rules, 71.
Student Council, The, 72.
Student Employment, 54.
Student Entertainment Course, 71.
Student Government, 72.
Summer School, 213.
Of Law, 230.
Surgical Anatomy, 238.
Swain Hall, 48.

Teachers' Bureau, 195.

Training School in Education, 193.
Transcripts of Record, 47, 66.
Trustees, 4-9.
Tuition Fee, 44-45.
Tuition, Free, 51, 190.

University Extension Division, 214.
University of N. C. Press, 33.
University Organizations, 74.

Weil Lectures, 73.
Withdrawal Regulations, 65.
Women, Admission of, 39.

Young Mens Christian Association, 78.

Zoölogy, Courses in, 156-158.